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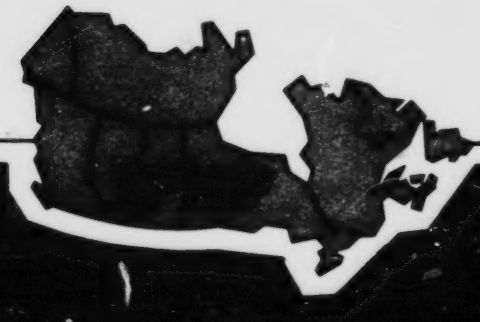
Canadian Forestry Service

Canadian Forest Fire Statistics / Statistiques sur les incendies de forêt au Canada 1981, 1982, 1983

G.S. Ramsey and / et D.G. Higgins

Information Report /
Rapport d'information PI-X-49 E/F
Petawawa National Forestry Institute
Institut forestier national de Petawawa



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CANADIAN FOREST FIRE STATISTICS/
STATISTIQUES SUR LES INCENDIES DE FORÊT AU CANADA

Part/Partie 1 - 1981
Part/Partie 2 - 1982
Part/Partie 3 - 1983

Information Report/Rapport d'information PI-X-49E/F

G.S. Ramsey and/et D.G. Higgins

Petawawa National Forestry Institute
Institut forestier national de Petawawa
Canadian Forestry Service
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ABSTRACT

The tables presented here contain forest fire statistics for the calendar years 1981, 1982, and 1983 as reported by all Canadian forest fire control agencies. The statistical data are presented separately for each province or other major jurisdiction, and for Canada as a whole. Where possible, a comparable average value for the previous 10 years is listed beside each annual statistic.

RÉSUMÉ

Les tableaux présentés ci-après contiennent les statistiques relatives aux feux de forêt pour l'année civile 1981, 1982 et 1983 d'après le contenu des rapports publiés par l'ensemble des organismes canadiens de lutte contre les incendies de forêt. Les données statistiques correspondont à chaque province ou à toute autre division administrative de premier plan sont présentées séparément, de même que les statistiques relatives à l'ensemble du Canada. A côté de chaque valeur correspondont, dans la mesure du possible, la valeur moyenne correspondont aux dix années précédentes.

CANADIAN FOREST FIRE STATISTICS
1981 - 1982 - 1983

INTRODUCTION

The Petawawa National Forestry Institute's Forestry Data Systems Program group is at present developing a comprehensive computer program to handle Canadian forest fire statistics. Eventually the database will include fire statistics going back to the early 1900s.

This computer program should fulfill two main purposes: (1) it will provide immediate availability of any statistical summaries requested and, (2) it will ensure that annual Canadian Forest Fire Statistics are published in each current year.

The forest fire statistics for the calendar years 1981, 1982, and 1983 as reported by all Canadian forest fire management agencies are presented in this publication. The data are given separately for each province, territory, and other major jurisdiction, as well as for Canada as a whole. Beside each statistic appears a comparable average value for the previous 10 years.

Some fire management agencies define fire control priority zones within their jurisdiction, and the intensity of detection and suppression vary depending on certain criteria. Although terminology may differ among agencies, the zones are normally designated as either an Intensive Protection Zone or a Limited Protection Zone. The Intensive Protection Zone usually includes forested lands of high value and areas where a risk to human life exist. In this zone, a commitment is made to detect all wildfire starts, and appropriate suppression action is taken. The Limited Protection Zone includes remote forested lands or other areas of low value where intensive forest protection cannot be justified economically. In many cases, the only action taken in a limited protection zone is the monitoring of the daily spread of detected wildfires to ensure that the progress of the fires does not present a threat to human life or areas of high value.

At the annual meeting of the Canadian Committee on Forest Fire Control held in St. John's, Newfoundland, 26-28 January 1982, agreement was reached that agencies with separate protection areas will report in future by the two priority zones. Statistics reported in the main body of this publication, with the exception of those for the province of Quebec, do not differentiate between protection areas; they combine the losses accumulated in the two zones. However, an appendix is included to reflect losses accumulated by those provinces, territories, or jurisdictions which use more than one protection zone.

The report deals with wildfire only, in two major categories:

A. Forest Fire Occurrence. Listed in this category are the numbers of fires and the area burned by nine Cause Classes. In corresponding order, these are

1.	Recreation	- Fires caused by people engaged in any recreational activity, or by their equipment
2.	Resident	- Fire resulting from activities of people living in a forested or partly forested area, including agricultural areas
3.	Forest industry	- Fires caused by men or machines involved in the production of forest products
4.	Railroads	- Fires caused by any machine, employee, contractor, or passenger associated with railroad operations
5.	Other industry	- Fires caused by industrial activity other than forest industry or railroads
6.	Incendiary	- Fires started willfully for the purpose of mischief, grudge, or gain
7.	Miscellaneous	- Any fire whose cause is known but does not fit any of those listed
8.	Lightning	- No definition needed
9.	Unknown	- Fires of undeterminable cause

Also provided are tables of the number of fires and area burned by month throughout the fire season and tables of distribution of fires by size class.

B. Forest Fire Control Costs and Losses. These are presented in three classes.

1. Budgeted or overhead costs
2. Direct fire-fighting costs
3. Losses, as monetary equivalent of values destroyed

Because of differences in administrative and accounting procedures, direct comparisons between provinces and other jurisdictions are difficult and potentially misleading. Also, no inflation factor has been applied in the calculation of 10-year averages. The function of these data is to show the order of magnitude of forest fire control expenditures and monetary losses in Canada as well as to provide a record of the annual trend. The values are the best available, but their limitations should be recognized.

The Canadian Interagency Forest Fire Centre (CIFFC) in Winnipeg collects, tabulates, and issues on a daily basis a Situation Report (SITREP) on current forest fire activity as provided by all Canadian forest fire management agencies. In part, the SITREP lists the number of fires and area burned within each jurisdiction.

Appendix 2 reflects the estimates for the 1984 and 1985 fire seasons as provided by CIFFC.

This report and the annual series of which it is a part are possible only through the willing cooperation of the following public agencies:

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STATISTIQUES SUR LES INCENDIES DE FORÊT AU CANADA
1981 - 1982 - 1983

INTRODUCTION

Le groupe du Programme de systèmes de données forestières, de l'Institut forestier national de Petawawa, met actuellement au point un vaste programme destiné à traiter les statistiques sur les incendies de forêt au Canada. Cette base de données pourra éventuellement inclure des statistiques qui remontent jusqu'au début du siècle.

Ce programme a principalement pour but (1) d'assurer l'accessibilité immédiate des résumés statistiques demandés et (2) de veiller à ce que les Statistiques annuelles sur les incendies de forêt au Canada soient publiées chaque année.

La présente publication renferme des statistiques portant sur les incendies de forêt survenus au cours des années civiles 1981, 1982 et 1983, et communiquées par tous les organismes canadiens de protection contre l'incendie. Les données statistiques correspondant à chaque province et territoire ou à toute autre importante division administrative sont présentées séparément, de même que les statistiques relatives à l'ensemble du Canada. A côté de chaque valeur, on a indiqué dans la mesure du possible, la valeur moyenne correspondant aux dix années précédentes.

Certains organismes de protection des forêts contre l'incendie délimitent des zones de priorité sur le territoire relevant de leur compétence, et les efforts de détection et de suppression varient selon certains critères. Même si la terminologie peut différer d'un organisme à l'autre, ces zones sont normalement désignées soit comme zones de protection intensive ou comme zones de protection limitée. Dans le premier cas, elles comprennent habituellement des forêts de grande valeur et des secteurs où des vies humaines pourraient être menacées. On tente de déceler dans ces zones tous les foyers d'incendie, et des mesures appropriées sont prises pour les supprimer. Les zones de protection limitée comprennent des forêts éloignées ou d'autres secteurs de faible valeur où la protection forestière intensive n'est pas économiquement indiquée. Dans de nombreux cas, on ne fait que surveiller dans ces zones la progression quotidienne des feux de friches pour s'assurer qu'ils ne menacent pas la vie humaine ni les secteurs de grande valeur.

À la réunion annuelle du Comité canadien de protection des forêts contre les incendies, tenue à St. John's (Terre-Neuve) du 26 au 28 janvier 1982, il a été convenu que les organismes ayant des zones de protection distinctes feront désormais rapport selon ces deux zones de priorité. Sauf dans le cas de la province du Québec, les statistiques présentées ne différencient pas les zones de protection; elles combinent les pertes enregistrées dans les deux zones. Toutefois, une annexe indique les pertes enregistrées par les provinces, les territoires ou les divisions administratives qui utilisent plus d'une zone de protection.

Le présent rapport traite seulement des feux de friches sous deux grandes rubriques, c'est-à-dire:

A. Incendies de forêt. Sous cette rubrique, on donne le nombre d'incendies et la superficie incendiée selon neuf classes de cause dont voici la liste:

1.	Loisirs	- Incendies causés par des personnes qui s'adonnent à des activités récréatives, ou par leur équipement.
2.	Résidents	- Incendies attribuables à l'activité d'habitants de régions entièrement ou partiellement boisées, et de régions agricoles.
3.	Industrie forestière	- Incendies causés par des employés ou des machines de l'industrie forestière.
4.	Chemins de fer	- Incendies causés par tout employé, machine, entrepreneur ou voyageur des chemins de fer.
5.	Autres industries	- Incendies causés par une industrie autre que l'industrie forestière ou les chemins de fer.
6.	Incendiaires	- Incendies allumés intentionnellement par méchanceté, par rancune ou pour le profit.
7.	Divers	- Incendies dont la cause est connue, mais qui n'entrent pas dans les classes déjà mentionnées.
8.	Foudre	- Aucune définition nécessaire.
9.	Cause inconnue	- Incendies dont la cause n'est pas déterminée.

Le présent rapport contient également des tableaux sur le nombre d'incendies et la superficie incendiée chaque mois ainsi que sur la répartition des incendies par classe de taille.

B. Coûts de la protection des forêts contre l'incendie et pertes occasionnées par les incendies de forêt. Ces données sont réparties en trois classes, c'est-à-dire:

1. Les frais budgétaires ou généraux.
2. Les frais directs relatifs à l'extinction des incendies.
3. Les pertes, soit l'équivalent en argent des valeurs détruites.

Étant donné la variété des méthodes administratives et comptables, les comparaisons directes entre les provinces et d'autres divisions administratives sont difficiles à faire et peuvent être trompeuses. De plus, il n'a été tenu compte d'aucun facteur d'inflation dans le calcul des moyennes décennales. Des données ont pour but d'indiquer l'ordre de grandeur des frais de la protection des forêts contre l'incendie, les pertes financières au Canada ainsi que leur tendance annuelle. Ces chiffres sont les plus fidèles possible, mais il faut en reconnaître les limites.

Le Centre interservices des incendies de forêt du Canada (CIFFC) à Winnipeg produit chaque jour un rapport de situation (SITREP) sur les incendies de forêt d'après les données fournies par tous les organismes canadiens de défense contre les incendies de forêt. Le SITREP indique en partie le nombre d'incendies et la superficie incendiée dans chaque division administrative.

L'annexe 2 contient les estimations, fournies par le CIFFC, pour les saisons des incendies 1984 et 1985.

La réalisation du présent rapport et de la série annuelle dont il fait partie n'est possible que grâce à la collaboration bienveillante des organismes publics suivants:

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Glossaire anglais-français

Agency priority zone tables / Tableaux des zones de priorité des organismes

Annual Average / Moyenne annuelle

Appendix / Annexe

April / Avril

AREA BURNED (HA) / SUPERFICIE INCENDIÉE (HA)

Area burned in hectares / Superficie incendiée (hectares)

August / Août

British Columbia / Colombie-Britannique

Budgeted Costs / Coûts budgétés

Canadian Interagency Forest Fire Centre / Centre interservices des incendies de forêt du Canada

Cause Class / Classe de cause

CIFFC Forest Fire Statistics for Canada / Statistiques sur les incendies de forêt au Canada fournies par le CIFFC

Cutover & other areas / Parterre de coupe et autres

December / Décembre

Estimates / Estimations

Estimates provided by CIFFC / Estimations fournies par le CIFFC

Exclusive of Newfoundland / À l'exclusion de Terre-Neuve

Exclusive of the Yukon and Northwest Territories and Newfoundland / À l'exclusion du Yukon, des Territoires-du-Nord-Ouest et de Terre-Neuve

Fatalities / Pertes de vie

February / Février

Fire Control Expenditure / Frais de la protection contre l'incendie

Fire Distribution by Cause / Répartition des incendies par cause

Fire Distribution by Month / Répartition des incendies par mois

Fire Distribution by Size Class / Répartition des incendies par classe de taille

Fire Fighting Costs / Frais d'extinction des incendies

Fire Losses / Pertes dues aux incendies de forêt

Fires / Incendies

FOREST FIRE STATISTICS FOR ALBERTA / STATISTIQUES SUR LES INCENDIES DE FORÊT EN ALBERTA

FOREST FIRE STATISTICS FOR BRITISH COLUMBIA / STATISTIQUES SUR LES INCENDIES DE FORET EN COLOMBIE-BRITANNIQUE

FOREST FIRE STATISTICS FOR CANADA / STATISTIQUES SUR LES INCENDIES DE FORÊT AU CANADA

FOREST FIRE STATISTICS FOR MANITOBA / STATISTIQUES SUR LES INCENDIES DE FORÊT AU MANITOBA

FOREST FIRE STATISTICS FOR NEW BRUNSWICK / STATISTIQUES SUR LES INCENDIES DE FORET AU NOUVEAU-BRUNSWICK

FOREST FIRE STATISTICS FOR NEWFOUNDLAND AND LABRADOR / STATISTIQUES SUR LES INCENDIES DE FORET A TERRE-NEUVE ET AU LABRADOR

FOREST FIRE STATISTICS FOR NOVA SCOTIA / STATISTIQUES SUR LES INCENDIES DE FORET EN NOUVELLE-ECOSSE

FOREST FIRE STATISTICS FOR ONTARIO / STATISTIQUES SUR LES INCENDIES DE FORÊT EN ONTARIO

FOREST FIRE STATISTICS FOR OTHER FEDERAL LANDS / STATISTIQUES SUR LES INCENDIES DE FORET SUR LES AUTRES TERRES FEDERALES

FOREST FIRE STATISTICS FOR PRINCE EDWARD ISLAND / STATISTIQUES SUR LES INCENDIES DE FORET A L'ILE-DU-PRINCE-EDOUARD

FOREST FIRE STATISTICS FOR QUEBEC / STATISTIQUES SUR LES INCENDIES DE FORÊT AU QUEBEC

FOREST FIRE STATISTICS FOR SASKATCHEWAN / STATISTIQUES SUR LES INCENDIES DE FORET EN SASKATCHEWAN

FOREST FIRE STATISTICS FOR THE NATIONAL PARKS / STATISTIQUES SUR LES INCENDIES DE FORET DANS LES PARCS NATIONAUX

FOREST FIRE STATISTICS FOR THE NORTHWEST TERRITORIES / STATISTIQUES SUR LES INCENDIES DE FORET DANS LES TERRITOIRES-DU-NORD-OUEST

FOREST FIRE STATISTICS FOR THE PROVINCES / STATISTIQUES SUR LES INCENDIES DE FORET DANS LES PROVINCES

FOREST FIRE STATISTICS FOR THE TERRITORIES / STATISTIQUES SUR LES INCENDIES DE FORET DANS LES TERRITOIRES

FOREST FIRE STATISTICS FOR THE YUKON TERRITORY / STATISTIQUES SUR LES INCENDIES DE FORET AU YUKON

Forest Industry / Industrie forestière

Incendiary / Incendiaire

Intensive Protection Zone / Zone de protection intensive

January / Janvier

July / Juillet

June / Juin

Jurisdiction / Territoire

Lightning / Foudre

Limited Protection Zone / Zone de protection limitée

March / Mars

May / Mai

Merchantable Timber / Bois marchand

Miscellaneous / Divers

Month / Mois

National Parks / Parcs nationaux

New Brunswick / Nouveau-Brunswick

Newfoundland / Terre-Neuve

NO FIRES / AUCUN INCENDIE

NO FIRES REPORTED / AUCUN INCENDIE SIGNALÉ

Northwest Territories / Territoires-du-Nord-Ouest

Nova Scotia / Nouvelle-Écosse

November / Novembre

Number of fires / Nombre d'incendies

N.W.T. / T.-N.-O.

October / Octobre

Other Federal Lands / Autres terres fédérales

Other Industry / Autres industries

Over 200 / Plus de 200

Parks Canada / Parcs Canada

P.E.I. / Î.-P.-É.

Prince Edward Island / Île-du-Prince-Édouard

PRIORITY ZONE / ZONE DE PRIORITÉ

Quebec / Québec

Railroads / Chemins de fer

Real and personal property / Dommages à la propriété

Recreation / Loisirs

Regeneration and immature / Régénération et jeune peuplement

Resident / Résident

September / Septembre

Size class (hectares) / Classe de taille (hectares)

Total area burned (hectares) / Superficie totale incendiée (hectares)

Total known man-caused / Total connu (causes humaines)

Total number of fires / Nombre total d'incendies

Totals / Totaux

Unknown / Inconnu

Value lost / Montant des pertes

Year / Année

Yearly Forest Fire Losses / Pertes annuelles dues aux incendies de forêt

Yukon Territory / Territoire du Yukon

NOTES EN BAS DE LA PAGE

1981

Tableau 1,3

[1]L'Île-du-Prince-Édouard (43 incendies) est comprise dans le total seulement.

Tableau 1,4

[2]La Saskatchewan, le Nouveau-Brunswick et les parcs nationaux sont compris dans le total seulement.
[3]Aucune donnée disponible pour la Nouvelle-Écosse. La Saskatchewan (538 531 384 $) est comprise dans le total seulement.
[4]L'Île-du-Prince-Édouard et les parcs nationaux sont compris dans le total seulement.
[5]Aucune donnée disponible pour l'Île-du-Prince-Édouard et les parcs nationaux. L'Alberta (17 111 023 $) est comprise dans le total seulement.

Tableaux 2,1 et 2,2

[1]Comprend toutes les régions du Canada sauf le Yukon et les Territoires-du-Nord-Ouest.

Tableau 2,3

[1]L'Île-du-Prince-Édouard (43 incendies) est comprise dans le total seulement.

Tableau 2,4

[2]La Saskatchewan, le Nouveau-Brunswick et les parcs nationaux sont compris dans le total seulement.
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Tableau 9,1

[1]Les chiffres fournis ne comprennent pas la zone de protection limitée.

1982

Tableau 1,3

[1]L'Île-du-Prince-Édouard (44 incendies) est comprise dans le total seulement.

Tableau 1,4

[2]La Saskatchewan, la Nouvelle-Écosse et les parcs nationaux sont compris dans le total seulement.
[3]Aucune donnée disponible pour la Saskatchewan, la Nouvelle-Écosse et les parcs nationaux.
[4]La Saskatchewan, le Nouveau-Brunswick, l'Île-du-Prince-Édouard et les parcs nationaux sont compris dans le total seulement.
[5]Aucune donnée disponible pour la Saskatchewan, la Nouvelle-Écosse, l'Île-du-Prince-Édouard et les parcs nationaux. L'Alberta (35 703 319 $) est comprise dans le total seulement.

Tableaux 2,1 et 2,2

[1]Comprend toutes les régions du Canada sauf les territoires.

Tableau 2,3

[1]L'Île-du-Prince-Édouard (44 incendies) est comprise dans le total seulement.

Tableau 2,4

[2]La Saskatchewan, la Nouvelle-Écosse et les parcs nationaux sont compris dans le total seulement.
[3]Aucune donnée disponible pour la Saskatchewan, la Nouvelle-Écosse et les parcs nationaux.
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Tableau 9,1

[1]Les chiffres fournis ne comprennent pas la zone de protection limitée.

1983

Tableau 1,3

[1]L'Île-du-Prince-Édouard (45 incendies) est comprise dans le total seulement.

Tableau 1,4

[2]Les parcs nationaux (848 ha) sont compris dans le total seulement.
[3]Aucune donnée disponible pour la Nouvelle-Écosse et les parcs nationaux.
[4]La Saskatchewan, le Nouveau-Brunswick, l'Île-du-Prince-Édouard et les parcs nationaux sont compris dans le total seulement (503 907 ha).
[5]La Saskatchewan, la Nouvelle-Écosse, l'Île-du-Prince-Édouard et les parcs nationaux ne sont pas compris. L'Alberta (48 774 126 $) est comprise dans le total seulement.

Tableaux 2,1 et 2,2

[1]Comprend toutes les régions du Canada sauf le Yukon et les Territoires-du-Nord-Ouest.

Tableau 2,3

[1]L'Île-du-Prince-Édouard (45 incendies) est comprise dans le total seulement.

Tableau 2,4

[2]Les parcs nationaux (848 ha) sont compris dans le total seulement.
[3]Aucune donnée disponible pour la Nouvelle-Écosse et les parcs nationaux.
[4]La Saskatchewan, le Nouveau-Brunswick, l'Île-du-Prince-Édouard et les parcs nationaux sont compris dans le total seulement (503 907 ha).
[5]La Saskatchewan, la Nouvelle-Écosse, l'Île-du-Prince-Édouard et les parcs nationaux ne sont pas compris. L'Alberta (48 774 126 $) est comprise dans le total seulement.

Tableau 9,1

[1]Les chiffres fournis ne comprennent pas la zone de protection limitée.

Tableau 1,5

Montants arrondis au 1000 $ près; il est préférable de ne pas faire de comparaison entre les organismes. Les données des années précédentes ne sont pas suffisamment complètes pour établir les moyennes annuelles.

CANADIAN FOREST FIRE STATISTICS/
STATISTIQUES SUR LES INCENDIES DE FORET AU CANADA

PART/PARTIE I

1981

FOREST FIRE STATISTICS FOR CANADA

Table 1.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	1 808	18	44 533	1	1 746	19	44 986	3
Resident	876	9	12 943	--	961	11	38 320	2
Forest Industry	280	2	18 815	--	375	4	32 130	2
Railroads	301	3	6 514	--	517	6	7 228	--
Other Industry	531	5	24 308	--	337	4	46 320	3
Incendiary	675	7	45 629	1	511	6	15 967	1
Miscellaneous	1 007	10	6 985	--	1 249	14	84 416	5
Total known man-caused	5 478	54	159 727	2	5 696	64	269 277	16
Lightning	4 369	43	5 155 401	96	2 925	31	1 353 807	82
Unknown	298	3	98 237	2	433	5	35 470	2
Total	10 145	100	5 413 365	100	9 054	100	1 658 554	100

Table 1.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	5 209	51	355	--	4 418	49	306	--
0.1 - 4.0	3 356	33	3 440	--	3 419	38	3 593	--
4.1 - 40.0	954	10	13 193	--	748	8	13 716	1
40.1 - 200	303	3	409 021	8	225	2	81 733	5
over 200	323	3	4 987 356	92	244	3	1 559 206	94
Totals	10 145	100	5 413 365	100	9 054	100	1 658 554	100

FOREST FIRE STATISTICS FOR CANADA

Table 1.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires[1]	%	Area burned in hectares	%
January	17	--	42	--	13	--	28	--
February	18	--	1 042	--	8	--	15	--
March	115	1	4 636	--	48	--	531	--
April	677	7	14 102	--	691	8	97 625	6
May	1 528	15	333 134	6	2 032	23	257 284	16
June	777	8	373 674	7	1 562	17	622 539	38
July	2 250	22	1 077 344	20	2 064	23	519 808	31
August	3 760	37	2 967 449	55	1 768	20	140 862	8
September	771	8	558 007	10	527	6	12 811	1
October	155	2	81 315	2	233	3	4 789	--
November	68	--	2 504	--	57	--	2 244	--
December	9	--	111	--	8	--	18	--
Totals	10 145	100	5 413 365	100	9 054	100	1 658 554	100

[1]Prince Edward Island (43 fires) included in total only.

Table 1.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares[2]	Value lost[3]	Area burned in hectares[4]	Value lost[5]
Merchantable Timber	580 688	$170 450 640	272 521	$52 010 710
Regeneration and immature	725 126	100 966 165	268 103	11 090 337
Cutover & other areas	1 778 480	6 062 841	1 042 101	2 997 121
Real and personal property		1 715 673	22 377	3 278 470
Totals	5 413 365	$817 726 703	1 658 510	$86 487 661

[1]Saskatchewan, New Brunswick and National Parks included in total only.
[2]Nova Scotia not available, Saskatchewan ($538 531 384) included in total only.
[3]Prince Edward Island and National Parks included in total only.
[4]Prince Edward Island and National Parks not available. Alberta ($17 111 023) included in total only.

1981

Table 1.5 Fire Control Expenditure[1]

Jurisdiction	Budgeted Costs	Fire Fighting Costs		Total
British Columbia	$ 6 995 000	$ 39 223 000		-
Alberta	22 198 000	51 830 000		-
Saskatchewan	780 000	21 995 000		-
Manitoba	1 000 000	7 353 000		-
Ontario	26 800 000	2 700 000		-
Quebec	20 775 000	2 369 000		-
New Brunswick	445 000	263 000		-
Prince Edward Island	9 000	13 000		-
Nova Scotia	1 226 000	120 000		-
Newfoundland	2 400 000	665 000		-
Yukon Territory	4 428 000	3 000		1
Northwest Territories	3 800 000	7 582 000		-
National Parks	2 629 000	1 769 000		-
Other Federal Lands	-	6 000		-
Total	$ 93 965 000	$ 135 891 000		1

[1]Figures rounded to nearest 1 000 dollars, interagency comparisons should not be made; data from previous years not sufficiently complete for annual averages.

FOREST FIRE STATISTICS FOR THE PROVINCES[1]

Table 2.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	1 712	18	44 254	1	1 662	19	41 377	4
Resident	835	9	12 922	--	946	11	38 262	4
Forest Industry	280	3	18 815	--	372	4	30 762	3
Railroads	301	3	6 514	--	516	6	5 054	1
Other Industry	512	5	12 704	--	318	4	37 402	4
Incendiary	674	6	45 629	1	507	6	15 877	2
Miscellaneous	955	10	6 964	--	1 229	14	83 741	9
Total known man-caused	5 269	54	147 802	2	5 550	64	252 475	27
Lightning	4 185	43	4 231 646	98	2 682	31	658 146	71
Unknown	289	3	13 826	--	414	5	19 561	2
Total	9 743	100	4 393 274	100	8 646	100	930 182	100

[1]Includes all areas in Canada except the Yukon and the Northwest Territories.

Table 2.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971- 1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	5 070	52	299	--	4 316	50	303	--
0.1 - 4.0	3 168	32	3 004	--	3 257	38	3 411	--
4.1 - 40.0	931	10	12 770	--	697	8	12 036	2
40.1 - 200	286	3	407 404	10	200	2	78 917	8
over 200	288	3	3 969 797	90	176	2	835 515	90
Totals	9 743	100	4 393 274	100	8 646	100	930 182	100

[1]Includes all areas in Canada except the Yukon and the Northwest Territories.

FOREST FIRE STATISTICS FOR THE PROVINCES

Table 2.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires[1]	%	Area burned in hectares	%
January	17	--	42	--	13	--	28	--
February	18	--	1 042	--	8	--	15	--
March	115	1	4 636	--	48	--	531	--
April	677	7	14 102	--	686	8	97 607	11
May	1 480	15	333 554	8	1 999	23	446 406	26
June	658	7	359 141	8	1 439	18	313 499	34
July	2 152	22	888 752	20	1 906	22	191 713	21
August	3 643	37	2 155 720	49	1 702	20	65 478	7
September	753	8	553 350	13	509	6	7 356	1
October	153	2	81 315	2	229	3	4 787	--
November	68	1	2 504	--	56	--	2 244	--
December	9	--	111	--	8	--	18	--
Totals	9 743	100	4 393 274	100	8 646	100	930 182	100

[1]Prince Edward Island (43 fires) included in total only.

Table 2.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares[2]	Value lost[3]	Area burned in hectares[4]	Value lost[5]
Merchantable Timber	570 289	$169 003 610	222 808	$50 827 636
Regeneration and immature	697 147	98 199 665	134 507	7 556 403
Cutover & other areas	796 767	2 284 486	497 039	520 753
Real and personal property		17 153	22 377	3 253 140
Totals	4 393 274	$809 734 818	930 139	$79 269 455

[2]Saskatchewan, New Brunswick and National Parks included in total only.
[3]Nova Scotia and National Parks not available. Saskatchewan ($538 531 384) included in total only.
[4]Prince Edward Island and National Parks included in total only.
[5]Prince Edward Island and National Parks not available. Alberta ($17 111 023) included in total only.

FOREST FIRE STATISTICS FOR THE TERRITORIES

Table 3.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	96	24	279	--	84	21	3 609	--
Resident	41	10	21	--	15	4	58	--
Forest Industry	-	-	-	-	3	--	1 368	--
Railroads	-	-	-	-	1	--	2 174	--
Other Industry	19	5	11 604	1	19	5	8 828	1
Incendiary	1	--	--	--	4	1	90	--
Miscellaneous	52	13	21	--	20	5	675	--
Total known man-caused	209	52	11 925	1	146	36	16 802	1
Lightning	184	46	923 755	91	243	60	695 661	96
Unknown	9	2	84 411	8	19	4	15 908	3
Total	402	100	1 020 091	100	408	100	728 371	100

Table 3.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	139	35	56	--	102	25	3	--
0.1 - 4.0	188	47	436	--	162	40	182	--
4.1 - 40.0	23	6	423	--	51	13	1 680	--
40.1 - 200	17	4	1 617	--	25	6	2 816	1
over 200	35	8	1 017 559	100	68	16	723 690	99
Totals	402	100	1 020 091	100	408	100	728 371	100

FOREST FIRE STATISTICS FOR THE TERRITORIES

Table 3.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	5	1	18	--
May	48	13	575	--	33	8	10 878	2
June	119	30	14 533	2	123	31	309 040	42
July	98	24	188 597	18	158	39	328 095	45
August	117	29	811 729	80	66	16	74 883	10
September	18	4	4 657	--	18	4	5 455	1
October	2	--	--	--	4	1	2	--
November	-	-	-	-	1	--	--	--
December	-	-	-	-	-	-	-	-
Totals	402	100	1 020 091	100	408	100	728 371	100

Table 3.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	10 399	$ 1 447 030	49 713	$ 1 183 074
Regeneration and immature	27 979	2 766 500	133 596	3 533 434
Cutover & other areas	981 713	3 778 355	545 062	2 476 368
Real and personal property		-		25 330
Totals	1 020 091	$ 7 991 885	728 371	$ 7 218 206

FOREST FIRE STATISTICS FOR BRITISH COLUMBIA

Table 4.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	268	10	4 388	4	380	16	2 188	3
Resident	58	2	324	--	147	6	5 371	8
Forest Industry	106	4	7 289	7	183	8	7 753	11
Railroads	59	2	112	--	119	5	370	1
Other Industry	114	4	7 691	7	60	3	551	1
Incendiary	126	5	1 717	2	117	5	1 164	2
Miscellaneous	246	9	853	1	412	17	5 782	9
Total known man-caused	977	36	22 374	21	1 418	60	23 179	35
Lightning	1 759	64	84 218	79	932	40	42 928	65
Unknown	1	--	1	--	9	--	84	--
Total	2 737	100	106 593	100	2 359	100	66 191	100

Table 4.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	1 910	70	191	--	1 494	64	101	--
0.1 - 4.0	607	22	618	1	646	27	535	1
4.1 - 40.0	134	5	1 872	2	140	6	2 091	3
40.1 - 200	48	2	4 378	4	49	2	4 363	7
over 200	38	1	99 534	93	30	1	59 101	89
Totals	2 737	100	106 593	100	2 359	100	66 191	100

FOREST FIRE STATISTICS FOR BRITISH COLUMBIA

Table 4.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	1	--	--	--	1	--	7	--
February	1	--	1	--	1	--	2	--
March	13	--	38	--	12	1	57	--
April	84	3	380	--	125	5	4 027	6
May	83	3	163	--	276	12	14 150	21
June	83	3	35	--	321	14	7 390	11
July	589	22	9 577	10	633	27	23 752	36
August	1 616	59	60 150	56	702	30	11 753	18
September	210	8	36 200	34	197	8	3 210	5
October	52	2	40	--	81	3	1 378	2
November	5	--	9	--	7	--	457	1
December	-	-	-	-	3	--	8	--
Totals	2 737	100	106 593	100	2 359	100	66 191	100

Table 4.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	42 912	$ 7 518 164	13 330	$ 3 634 718
Regeneration and immature	14 365	3 373 140	14 634	3 693 546
Cutover & other areas	49 316	671 120	38 227	300 894
Real and personal property		1 294 524		674 612
Totals	106 593	$ 12 856 948	66 191	$ 8 303 770

FOREST FIRE STATISTICS FOR ALBERTA

Table 5.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	224	15	644	--	137	18	121	--
Resident	133	9	1 991	--	82	11	2 350	2
Forest Industry	17	1	19	--	18	2	203	--
Railroads	21	1	31	--	16	2	109	--
Other Industry	80	6	315	--	47	6	22 717	22
Incendiary	68	4	1 981	--	68	9	1 830	2
Miscellaneous	98	6	197	--	62	8	15 582	15
Total known man-caused	641	42	5 178	1	430	56	42 912	41
Lightning	844	56	1 360 247	99	308	40	62 818	59
Unknown	37	2	175	--	32	4	299	--
Total	1 522	100	1 365 600	100	770	100	106 029	100

Table 5.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	918	60	--	--	395	51	--	--
0.1 - 4.0	433	28	505	--	260	34	323	--
4.1 - 40.0	112	8	1 548	--	77	10	1 173	1
40.1 - 200	31	2	2 707	--	23	3	1 958	2
over 200	28	2	1 360 840	100	15	2	102 575	97
Totals	1 522	100	1 365 600	100	770	100	106 029	100

FOREST FIRE STATISTICS FOR ALBERTA

Table 5.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	4	--	--	--	5	1	--	--
February	8	--	23	--	4	1	5	--
March	12	1	40	--	9	1	8	--
April	55	4	245	--	80	10	23 577	22
May	185	12	3 699	1	213	27	47 005	44
June	161	11	18 335	3	155	20	28 575	27
July	330	22	125 223	23	141	18	1 929	2
August	531	35	707 720	54	75	10	4 762	5
September	150	10	510 152	19	29	4	20	--
October	52	3	49	--	38	5	92	--
November	27	2	3	--	17	2	53	--
December	7	--	111	--	4	1	3	--
Totals	1 522	100	1 365 600	100	770	100	106 029	100

Table 5.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	395 780	$103 775 545	59 067	$ ..
Regeneration and immature	547 988	83 222 397	9 364	..
Cutover & other areas	421 832	-	37 598	..
Real and personal property		-		..
Totals	1 365 600	$186 997 942	106 029	$17 111 023

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Table 6.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	120	12	11 515	1	72	17	14 302	6
Resident	128	13	4 185	--	63	15	1 656	1
Forest Industry	16	2	79	--	6	1	158	--
Railroads	4	--	5	--	4	1	50	--
Other Industry	16	2	170	--	10	2	3 792	1
Incendiary	68	7	38 709	2	30	7	600	--
Miscellaneous	31	3	15	--	20	5	40 067	16
Total known man-caused	383	39	54 678	3	205	48	60 625	24
Lightning	567	59	1 593 108	97	189	44	187 057	73
Unknown	15	2	185	--	32	8	6 817	3
Total	965	100	1 647 971	100	426	100	254 499	100

Table 6.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	224	23	20	--	179	42	--	--
0.1 - 4.0	466	48	479	--	146	34	192	--
4.1 - 40.0	96	10	1 383	--	46	11	747	--
40.1 - 200	39	4	4 093	--	20	5	2 691	1
over 200	140	15	1 641 996	100	35	8	250 869	99
Totals	965	100	1 647 971	100	426	100	254 499	100

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Table 6.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	11	1	42	--	1	--	--	--
February	5	1	41	--	-	-	-	-
March	6	1	220	--	-	-	-	-
April	14	1	14	--	33	8	43 139	17
May	240	25	144 783	9	113	26	68 517	27
June	126	13	179 714	11	103	24	87 163	34
July	135	14	552 523	34	90	21	45 635	18
August	351	36	683 106	41	59	14	9 593	4
September	66	7	6 561	--	15	4	307	--
October	9	1	80 966	5	7	2	133	--
November	2	--	1	--	5	1	12	--
December	-	-	-	-	-	-	-	-
Totals	965	100	1 647 971	100	426	100	254 499	100

Table 6.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	..	$ ..	15 615	$ 2 056 836
Regeneration and immature	..	..	16 371	185 227
Cutover & other areas	..	..	222 513	
Real and personal property		..		68 150
Totals	1 647 971	$538 531 384	254 499	$ 2 310 213

FOREST FIRE STATISTICS FOR MANITOBA

Table 7.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	98	14	208	--	79	12	5 798	5
Resident	115	16	5 618	1	189	29	22 419	18
Forest Industry	4	1	162	--	5	1	238	--
Railroads	12	2	5 265	1	22	4	507	--
Other Industry	43	6	3 721	1	15	2	426	--
Incendiary	125	17	2 837	1	61	9	10 033	8
Miscellaneous	34	5	1 907	1	21	3	3 068	3
Total known man-caused	431	61	19 718	5	392	60	42 489	34
Lightning	281	39	376 736	95	240	36	74 467	62
Unknown	-	-	-	-	27	4	4 650	4
Total	712	100	396 454	100	659	100	121 606	100

Table 7.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	90	13	9	--	192	29	14	--
0.1 - 4.0	374	52	365	--	281	43	439	--
4.1 - 40.0	127	18	4 562	1	119	18	3 710	3
40.1 - 200	121	17	391 518	99	41	6	63 248	52
over 200	-	-	-	-	26	4	54 195	45
Totals	712	100	396 454	100	659	100	121 606	100

FOREST FIRE STATISTICS FOR MANITOBA

Table 7.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	6	1	21	--
February	1	-	975	--	1	--	--	--
March	2	--	4 174	1	3	1	368	--
April	42	6	12 490	3	65	10	25 032	20
May	174	25	163 102	41	161	24	28 848	24
June	79	11	158 383	40	111	17	26 274	22
July	186	26	36 750	10	152	23	30 004	25
August	179	25	20 291	5	94	14	4 570	4
September	45	7	40	--	36	6	2 448	2
October	1	--	249	--	21	3	2 427	2
November	3	--	--	--	8	1	1 614	1
December	-	-	-	-	1	--	--	--
Totals	712	100	396 454	100	659	100	121 606	100

Table 7.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	98 746	$ 48 879 765	44 475	$28 635 016
Regeneration and immature	121 590	10 335 150	20 959	1 363 732
Cutover & other areas	176 118	1 561 186	56 172	81 428
Real and personal property		13 000		6 216
Totals	396 454	$ 60 789 101	121 606	$30 086 392

FOREST FIRE STATISTICS FOR ONTARIO

Table 8.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	493	30	20 399	12	513	26	6 604	3
Resident	150	9	464	--	201	10	2 885	1
Forest Industry	36	2	5 865	3	22	1	16 137	8
Railroads	153	9	983	1	209	11	2 640	1
Other Industry	38	2	402	--	32	2	262	--
Incendiary	59	4	104	--	35	2	466	--
Miscellaneous	209	13	3 484	2	217	11	14 782	7
Total known man-caused	1 138	69	31 701	18	1 229	63	43 776	20
Lightning	485	29	135 435	75	689	35	176 257	80
Unknown	33	2	12 337	7	41	2	1 011	--
Total	1 656	100	179 473	100	1 959	100	221 044	100

Table 8.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	848	51	48	--	908	46	53	--
0.1 - 4.0	642	39	511	--	864	44	808	--
4.1 - 40.0	88	5	1 182	1	123	6	1 679	1
40.1 - 200	27	2	2 704	2	30	2	3 041	1
over 200	51	3	175 028	97	34	2	215 463	98
Totals	1 656	100	179 473	100	1 959	100	221 044	100

FOREST FIRE STATISTICS FOR ONTARIO

Table 8.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	27	2	101	--	10	1	27	--
April	141	9	399	--	180	9	1 222	1
May	312	19	19 420	11	463	24	75 057	34
June	57	3	536	--	303	15	93 891	42
July	546	33	151 252	84	474	24	41 922	19
August	435	26	5 265	3	372	19	8 191	4
September	106	6	32	--	111	6	97	--
October	16	1	1	--	41	2	586	--
November	14	1	2 467	2	5	--	51	--
December	2	--	--	--	-	-	-	-
Totals	1 656	100	179 473	100	1 959	100	221 044	100

Table 8.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	28 600	$7 921 905	55 147	$10 316 222
Regeneration and immature	12 217	1 188 607	58 219	1 869 038
Cutover & other areas	138 656	-	89 789	2 506
Real and personal property		60 906	17 889	450 225
Totals	179 473	$9 171 418	221 044	$12 637 991

FOREST FIRE STATISTICS FOR QUEBEC[1]

Table 9.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	461	41	501	20	372	34	9 808	20
Resident	193	17	233	9	141	13	825	2
Forest Industry	72	6	114	5	83	8	4 890	10
Railroads	17	2	92	4	47	4	946	2
Other Industry	140	13	196	8	117	11	9 098	17
Incendiary	89	8	147	6	52	5	770	2
Miscellaneous	16	2	3	--	54	5	1 650	3
Total known man-caused	988	89	1 286	52	866	80	27 987	56
Lightning	126	11	1 194	48	213	20	18 374	37
Unknown	-	-	-	-	5	--	3 877	7
Total	1 114	100	2 480	100	1 084	100	50 238	100

[1]Figures reported do not include Limited Protection Zone.

Table 9.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	676	61	12	1	525	48	19	--
0.1 - 4.0	126	11	34	2	421	39	452	1
4.1 - 40.0	306	27	1 200	48	103	10	1 432	3
40.1 - 200	5	1	308	12	20	2	1 866	4
over 200	1	--	926	37	15	1	46 469	92
Totals	1 114	100	2 480	100	1 084	100	50 238	100

FOREST FIRE STATISTICS FOR QUEBEC

Table 9.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	2	--	1	--	-	-	-	-
April	99	9	282	11	34	3	120	--
May	275	25	497	20	370	34	8 028	16
June	70	6	1 048	42	203	19	36 988	74
July	232	21	297	12	214	20	4 390	9
August	347	31	251	10	189	17	360	1
September	72	6	94	3	49	4	186	--
October	11	1	4	1	18	2	118	--
November	6	1	6	1	7	1	42	--
December	-	-	-	-	--	--	6	--
Totals	1 114	100	2 480	100	1 084	100	50 238	100

Table 9.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	1 553	$240 422	27 920	$2 562 141
Regeneration and immature	617	18 868	12 070	270 576
Cutover & other areas	310	5 491	5 760	60 304
Real and personal property		77 779	4 488	929 919
Totals	2 480	$342 560	50 238	$3 822 940

FOREST FIRE STATISTICS FOR NEW BRUNSWICK

Table 10.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	17	6	20	5	26	6	123	5
Resident	19	7	18	5	42	9	252	11
Forest Industry	12	4	129	33	20	4	366	16
Railroads	7	3	2	--	27	6	124	5
Other Industry	7	3	7	2	11	2	75	4
Incendiary	20	7	5	1	27	6	339	15
Miscellaneous	128	46	162	42	223	48	450	20
Total known man-caused	210	76	343	88	376	81	1 729	76
Lightning	14	5	6	2	31	7	203	9
Unknown	51	19	40	10	57	12	340	15
Total	275	100	389	100	464	100	2 272	100

Table 10.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	172	63	5	1	227	49	10	--
0.1 - 4.0	86	31	104	27	202	44	192	8
4.1 - 40.0	16	6	180	46	29	6	389	17
40.1 - 200	1	--	100	26	5	1	463	21
over 200	-	-	-	-	1	--	1 218	54
Totals	275	100	389	100	464	100	2 272	100

FOREST FIRE STATISTICS FOR NEW BRUNSWICK

Table 10.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-		-		-		-	
February	-		-		-		-	
March	-		-		--	--	2	--
April	27	10	48	12	20	5	59	3
May	75	29	106	27	152	33	1 181	52
June	26	9	137	35	90	20	608	27
July	56	20	45	12	71	15	76	3
August	45	16	34	9	90	19	229	10
September	40	14	13	3	29	6	98	4
October	6	2	6	2	10	2	15	1
November	-	-	-	-	2	--	4	--
December	-	-	-	-	-	-	-	-
Totals	275	100	389	100	464	100	2 272	100

Table 10.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	..	$ 20 459	744	$ 233 784
Regeneration and immature	..	41 203	590	42 134
Cutover & other areas	..	10 839	938	46 676
Real and personal property		269 464		1 124 018
Totals	389	$341 965	2 272	$1 446 612

FOREST FIRE STATISTICS FOR PRINCE EDWARD ISLAND

Table 11.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	-	-	-	-	6	13	34	19
Resident	11	28	55	38	2	4	2	1
Forest Industry	1	2	--	--	3	7	5	3
Railroads	-	-	-	-	1	2	2	1
Other Industry	1	2	1	--	1	2	21	12
Incendiary	-	-	-	-	7	17	59	33
Miscellaneous	2	5	--	--	12	29	6	3
Total known man-caused	15	37	56	38	32	74	129	72
Lightning	-	-	-	-	-	-	-	-
Unknown	25	63	90	62	11	26	49	28
Total	40	100	146	100	43	100	178	100

Table 11.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	9	22	1	1	12	28	14	8
0.1 - 4.0	22	56	25	17	23	54	36	20
4.1 - 40.0	9	22	120	82	6	14	40	22
40.1 - 200	-	-	-	-	1	2	56	32
over 200	-	-	-	-	1	2	32	18
Totals	40	100	146	100	43	100	178	100

FOREST FIRE STATISTICS FOR PRINCE EDWARD ISLAND

Table 11.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	..		-	-
February	1	2	-	-	..		-	-
March	9	23	28	19	..		2	1
April	18	45	52	37	..		28	16
May	6	15	32	22	..		85	48
June	-		-		..		10	5
July	1	2	1	--	..		25	14
August	3	8	1	--	..		5	3
September	2	5	32	22	..		20	12
October	-	-	-	-	..		2	1
November	-	-	-	-	..		1	--
December	-	-	-	-	..		-	-
Totals	40	100	146	100	43	100	178	100

Table 11.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	2	$ 600	..	$ ..
Regeneration and immature	20	5 000	..	..
Cutover & other areas	124	-	..	..
Real and personal property		-		..
Totals	146	$5 600	178	$ ..

FOREST FIRE STATISTICS FOR NOVA SCOTIA

Table 12.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	10	2	2	1	31	5	63	2
Resident	-	-	-	-	55	9	55	2
Forest Industry	5	1	7	2	24	4	96	3
Railroads	15	3	8	2	43	7	67	2
Other Industry	59	13	33	9	23	4	44	1
Incendiary	115	26	128	35	100	17	552	18
Miscellaneous	177	39	135	36	173	30	404	13
Total known man-caused	381	84	313	85	449	76	1 281	41
Lightning	2	--	--	--	3	1	2	--
Unknown	66	16	57	15	133	23	1 819	59
Total	449	100	370	100	585	100	3 102	100

Table 12.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	176	39	7	2	242	41	5	--
0.1 - 4.0	258	58	203	55	308	53	259	8
4.1 - 40.0	15	3	160	43	30	5	358	12
40.1 - 200	-	-	-	-	3	1	259	8
over 200	-	-	-	-	2	-	2 221	72
Totals	449	100	370	100	585	100	3 102	100

FOREST FIRE STATISTICS FOR NOVA SCOTIA

Table 12.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	3	1	2	1	2	--	7	--
March	44	10	34	9	14	2	67	2
April	189	41	186	50	138	24	256	8
May	68	15	105	29	185	32	560	18
June	26	6	9	2	74	13	1 927	63
July	30	7	4	1	53	9	187	6
August	37	8	4	1	73	12	39	1
September	41	9	8	2	31	5	17	1
October	3	1	--	--	11	2	32	1
November	8	2	18	5	4	1	10	--
December	-	-	-	-	-	-	-	-
Totals	449	100	370	100	585	100	3 102	100

Table 12.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	109	$ ..	1 452	$ ..
Regeneration and immature	44	..	202	..
Cutover & other areas	217	..	1 448	..
Real and personal property		..		
Totals	370	$ ..	3 102	$ ..

FOREST FIRE STATISTICS FOR NEWFOUNDLAND AND LABRADOR

Table 13.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	9	7	6 575	50	28	14	2 328	4
Resident	25	19	21	--	22	11	341	1
Forest Industry	11	8	5 151	40	8	4	913	2
Railroads	8	6	11	--	23	12	234	--
Other Industry	14	11	168	1	1	--	415	1
Incendiary	4	3	1	--	4	2	21	--
Miscellaneous	7	5	208	2	27	13	1 895	4
Total known man-caused	78	59	12 135	93	113	56	6 147	12
Lightning	3	2	26	--	27	14	45 108	87
Unknown	50	39	926	7	59	30	538	1
Total	131	100	13 087	100	199	100	51 793	100

Table 13.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	11	8	1	--	95	47	84	--
0.1 - 4.0	102	79	100	1	68	34	137	--
4.1 - 40.0	12	9	414	3	19	10	326	1
40.1 - 200	3	2	479	4	6	3	715	1
over 200	3	2	12 093	92	11	6	50 531	98
Totals	131	100	13 087	100	199	100	51 793	100

FOREST FIRE STATISTICS FOR NEWFOUNDLAND AND LABRADOR

Table 13.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	1	--
March	-	-	-	-	-	-	-	-
April	3	2	1	--	7	4	11	--
May	45	35	611	5	51	26	786	2
June	13	10	766	6	52	26	8 831	17
July	32	24	11 398	87	51	26	25 502	49
August	21	16	93	1	28	14	16 240	31
September	17	13	218	1	9	4	419	1
October	-	-	-	-	1	--	3	--
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	131	100	13 087	100	199	100	51 793	100

Table 13.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	2 587	$ 646 750	5 058	$3 388 919
Regeneration and immature	306	15 300	2 098	132 650
Cutover & other areas	10 194	35 850	44 637	28 945
Real and personal property		-		-
Totals	13 087	$ 697 900	51 793	$3 550 514

FOREST FIRE STATISTICS FOR THE YUKON TERRITORY

Table 14.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	43	47	250	1	25	22	114	--
Resident	6	7	8	--	6	5	37	--
Forest Industry	-	-	-	-	2	2	1 367	2
Railroads	-	-	-	-	-	-	1	--
Other Industry	5	6	4	--	6	5	45	--
Incendiary	1	1	-	-	3	3	85	--
Miscellaneous	11	12	1	--	11	9	227	1
Total known man-caused	66	73	263	1	53	46	1 876	3
Lightning	22	24	34 811	99	54	46	61 779	90
Unknown	3	3	85	--	10	8	4 968	7
Total	91	100	35 159	100	117	100	68 623	100

Table 14.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	43	47	1	--	49	42	1	--
0.1 - 4.0	34	38	32	--	38	32	48	--
4.1 - 40.0	3	3	72	--	12	11	1 034	2
40.1 - 200	8	9	814	2	7	6	918	1
over 200	3	3	34 240	98	11	9	66 622	97
Totals	91	100	35 159	100	117	100	68 623	100

FOREST FIRE STATISTICS FOR THE YUKON TERRITORY

Table 14.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	2	1	11	--
May	12	13	155	--	16	14	7 057	10
June	29	32	624	2	33	29	15 339	22
July	22	24	1 446	4	44	38	26 985	40
August	23	25	30 000	85	16	13	19 191	28
September	5	6	2 934	9	6	5	40	--
October	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	91	100	35 159	100	117	100	68 623	100

Table 14.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	9 421	$1 315 000	20 613	$ 333 614
Regeneration and immature	3 314	300 000	9 951	790 630
Cutover & other areas	22 424	111 200	38 059	197 927
Real and personal property		-		4 570
Totals	35 159	$1 726 200	68 623	$1 326 741

FOREST FIRE STATISTICS FOR THE NORTHWEST TERRITORIES

Table 15.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	53	17	29	--	59	21	3 495	1
Resident	35	11	13	--	9	3	21	--
Forest Industry	-	-	-	-	1	--	1	--
Railroads	-	-	-	-	1	--	2 173	--
Other Industry	14	5	11 600	1	13	5	8 783	1
Incendiary	-	-	-	-	1	--	5	--
Miscellaneous	41	13	20	--	9	3	448	--
Total known man-caused	143	46	11 662	1	93	32	14 926	2
Lightning	162	52	888 944	90	189	65	633 882	96
Unknown	6	2	84 326	9	9	3	10 940	2
Total	311	100	984 932	100	291	100	659 748	100

Table 15.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	96	31	55	--	53	18	2	--
0.1 - 4.0	154	50	404	--	124	43	134	--
4.1 - 40.0	20	6	351	--	39	13	646	--
40.1 - 200	9	3	803	--	18	6	1 898	--
over 200	32	10	983 319	100	57	20	657 068	100
Totals	311	100	984 932	100	291	100	659 748	100

FOREST FIRE STATISTICS FOR THE NORTHWEST TERRITORIES

Table 15.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	3	1	7	--
May	36	12	420	--	17	6	3 821	1
June	90	29	13 909	1	90	31	293 701	45
July	76	24	187 151	19	114	39	301 110	46
August	94	30	781 729	80	50	18	55 692	8
September	13	4	1 723	--	12	4	5 415	--
October	2	1	--	--	4	1	2	--
November	-	-	-	-	1	--	-	-
December	-	-	-	-	-	-	-	-
Totals	311	100	984 932	100	291	100	659 748	100

Table 15.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	978	$ 132 030	29 100	$ 849 460
Regeneration and immature	24 665	2 466 500	123 646	2 742 804
Cutover & other areas	959 289	3 667 155	507 003	2 278 441
Real and personal property		-		20 760
Totals	984 932	$6 265 685	659 749	$5 891 465

FOREST FIRE STATISTICS FOR THE NATIONAL PARKS

Table 16.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	12	8	2	--	18	18	8	--
Resident	3	2	13	--	2	2	2 106	4
Forest Industry	-	-	-	-	-	-	3	--
Railroads	5	4	5	--	5	6	5	--
Other Industry	-	-	-	-	1	1	1	--
Incendiary	-	-	-	-	6	6	43	--
Miscellaneous	7	5	--	--	8	8	55	--
Total known man-caused	27	19	20	--	40	41	2 221	4
Lightning	104	74	680 676	100	50	52	50 932	96
Unknown	11	7	15	--	8	7	77	--
Total	142	100	680 711	100	98	100	53 230	100

Table 16.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	36	25	5	--	47	48	3	--
0.1 - 4.0	52	37	60	--	38	39	38	--
4.1 - 40.0	16	11	149	--	5	5	91	--
40.1 - 200	11	7	1 117	--	2	2	257	1
over 200	27	20	679 380	100	6	6	52 841	99
Totals	142	100	680 711	100	98	100	53 230	100

FOREST FIRE STATISTICS FOR THE NATIONAL PARKS

Table 16.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	5	4	5	--	4	4	136	--
May	17	12	41	--	15	15	2 189	5
June	17	12	178	--	27	28	21 843	41
July	15	11	1 682	--	27	28	18 291	34
August	78	55	678 805	100	20	20	10 236	19
September	4	2	--	--	3	3	534	1
October	3	2	--	--	1	1	1	--
November	3	2	--	--	1	1	--	--
December	-	-	-	-	-	-	-	-
Totals	142	100	680 711	100	98	100	53 230	100

Table 16.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	..	$ ..	..	$ ..
Regeneration and immature	..	..	..	..
Cutover & other areas	..	..	..	..
Real and personal property				..
Totals	680 711	$ ..	53 230	$ ..

FOREST FIRE STATISTICS FOR OTHER FEDERAL LANDS

Table 17.1 Fire Distribution by Cause

Cause class	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation								
Resident								
Forest Industry								
Railroads								
Other Industry								
Incendiary			NO FIRES REPORTED					
Miscellaneous								
Total known man-caused								
Lightning								
Unknown								
Total	-	-	-	-	-	-	-	-

Table 17.2 Fire Distribution by Size Class

Size class (hectares)	1981				Annual average 1971-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09								
0.1 - 4.0								
4.1 - 40.0			NO FIRES REPORTED					
40.1 - 200								
over 200								
Totals	-	-	-	-	-	-	-	-

FOREST FIRE STATISTICS FOR OTHER FEDERAL LANDS

Table 17.3 Fire Distribution by Month

Month	1981				Annual Average 1971-1980			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January								
February								
March								
April								
May								
June			NO FIRES REPORTED					
July								
August								
September								
October								
November								
December								
Totals	-	-	-	-	-	-	-	-

Table 17.4 Fire Losses

	1981		Annual average 1971-1980	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber Regeneration and immature Cutover & other areas Real and personal property		NO FIRES REPORTED		
Totals	-	-	-	-

CANADIAN FOREST FIRE STATISTICS/
STATISTIQUES SUR LES INCENDIES DE FORET AU CANADA

PART/PARTIE II

1982

FOREST FIRE STATISTICS FOR CANADA

Table 1.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	2 005	22	23 071	1	1 732	19	40 322	2
Resident	954	11	7 775	--	951	10	36 268	2
Forest Industry	303	3	13 289	1	362	4	28 813	1
Railroads	365	4	1 922	--	496	5	5 413	--
Other Industry	476	5	4 387	--	359	4	47 213	3
Incendiary	675	8	13 061	1	541	5	20 150	1
Miscellaneous	992	11	7 295	--	1 233	13	83 957	4
Total known man-caused	5 770	64	70 755	3	5 674	60	262 136	13
Lightning	2 852	32	1 617 451	96	3 069	36	1 728 150	85
Unknown	319	4	9 385	1	418	4	40 191	2
Total	8 941	100	1 697 591	100	9 161	100	2 030 475	100

Table 1.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	4 456	50	249	--	4 486	49	335	--
0.1 - 4.0	3 358	38	3 456	--	3 421	38	3 630	--
4.1 - 40.0	694	8	11 912	1	777	9	14 080	1
40.1 - 200	198	2	27 696	2	230	2	120 418	6
over 200	235	2	1 654 278	97	247	2	1 892 012	93
Totals	8 941	100	1 697 591	100	9 161	100	2 030 475	100

FOREST FIRE STATISTICS FOR CANADA

Table 1.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires[1]	%	Area burned in hectares	%
January	8	--	27	--	14	--	32	--
February	5	--	31	--	10	--	119	--
March	60	1	79	--	57	1	991	--
April	765	9	6 203	--	733	8	98 915	5
May	1 890	21	20 000	1	1 960	21	277 239	14
June	2 496	28	841 726	50	1 477	16	605 778	30
July	2 057	23	634 633	37	2 121	23	564 349	28
August	1 066	12	181 303	11	1 909	21	401 763	20
September	338	4	11 134	1	548	6	65 958	3
October	219	2	2 358	--	226	3	12 831	--
November	35	--	94	--	55	1	2 472	--
December	2	--	3	--	7	--	28	--
Totals	8 941	100	1 697 591	100	9 161	100	2 030 475	100

[1]Prince Edward Island (44 fires) included in total only.

Table 1.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares[2]	Value lost[3]	Area burned in hectares[4]	Value lost[5]
Merchantable Timber	507 006	$144 488 156	395 011	$ 88 084 176
Regeneration and immature	326 634	44 045 486	348 796	42 463 716
Cutover & other areas	790 143	3 066 313	1 190 891	6 584 666
Real and personal property	-	4 978 734	-	10 114 288
Totals	1 697 591	$196 578 689	2 030 475	$182 950 105

[2]Saskatchewan, Nova Scotia and National Parks included in total only.
[3]Saskatchewan, Nova Scotia and National Parks not available.
[4]Saskatchewan, New Brunswick, Prince Edward Island and National Parks included in total only.
[5]Saskatchewan, Nova Scotia, Prince Edward Island and National Parks not available. Alberta ($35 703 319) included in total only.

1982

Table 1.5 Fire Control Expenditure[1]

Jurisdiction	Budgeted Costs	Fire Fighting Costs
British Columbia	$ 6 456 000	$ 42 258 000
Alberta	32 684 000	55 912 000
Saskatchewan	1 082 000	8 250 000
Manitoba	8 461 000	2 725 000
Ontario	24 800 000	16 999 000
Quebec	19 800 000	3 249 000
New Brunswick	486 000	3 010 000
Prince Edward Island	25 000	-
Nova Scotia	585 000	186 000
Newfoundland	3 300 000	130 000
Yukon Territory	3 792 000	532 000
Northwest Territories	4 200 000	7 283 000
National Parks	1 385 000	1 031 000
Other Federal Lands	..	..
Total	$107 056 000	$ 141 565 000

[1]Figures rounded to nearest 1 000 dollars, interagency comparisons should not be made; data from previous years not sufficiently complete for annual averages.

Table 1.6 Fatalities

	Total
	-
	-
	-
	-
	-
	-
	-
	-
	-
	-
	-
	-
	-
	-
	-

FOREST FIRE STATISTICS FOR THE PROVINCES[1]

Table 2.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	1 896	23	22 004	3	1 645	19	37 108	3
Resident	936	11	7 693	--	933	11	36 211	3
Forest Industry	301	4	13 288	1	359	4	27 445	2
Railroads	364	4	1 922	--	495	5	5 259	--
Other Industry	456	5	4 365	--	341	4	37 355	3
Incendiary	675	8	13 016	1	537	6	20 060	2
Miscellaneous	971	12	5 111	--	1 212	14	83 293	7
Total known man-caused	5 599	67	67 399	5	5 522	63	246 731	20
Lightning	2 465	29	1 063 766	94	2 825	32	1 007 013	79
Unknown	316	4	9 385	1	401	5	16 895	1
Total	8 380	100	1 140 550	100	8 748	100	1 270 639	100

[1]Includes all areas in Canada except the Territories.

Table 2.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	4 344	52	244	--	4 380	50	327	--
0.1 - 4.0	3 115	37	3 224	--	3 252	37	3 419	--
4.1 - 40.0	612	7	10 719	1	730	9	12 451	1
40.1 - 200	657	2	23 601	2	205	2	117 722	9
over 200	152	2	1 102 762	97	181	2	1 136 720	90
Totals	8 380	100	1 140 550	100	8 748	100	1 270 639	100

[1]Includes all areas in Canada except the Territories.

FOREST FIRE STATISTICS FOR THE PROVINCES[1]

Table 2.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires[1]	%	Area burned in hectares	%
January	8	--	27	--	14	--	32	--
February	5	--	31	--	10	--	119	--
March	59	1	79	--	57	1	991	--
April	762	9	6 203	1	729	8	98 897	8
May	1 868	22	19 997	2	1 925	22	266 357	21
June	2 349	28	791 439	69	1 354	16	312 428	25
July	1 739	21	183 262	16	1 964	23	257 083	20
August	1 011	12	126 031	11	1 837	21	257 334	20
September	325	4	11 026	1	531	5	62 069	5
October	217	3	2 358	--	221	3	12 829	1
November	35	--	94	--	55	1	2 472	--
December	2	--	3	--	7	--	28	--
Totals	8 380	100	1 140 550	100	8 748	100	1 270 639	100

[1]Prince Edward Island (44 fires) included in total only.

Table 2.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares[2]	Value lost[3]	Area burned in hectares[4]	Value lost[5]
Merchantable Timber	470 294	$143 319 007	357 625	$ 86 858 487
Regeneration and immature	292 683	39 614 206	245 193	38 837 200
Cutover & other areas	303 765	967 858	572 043	3 750 712
Real and personal property	-	4 978 734	-	10 089 098
Totals	1 140 550	$188 879 805	1 270 639	$175 238 816

[1]Saskatchewan, Nova Scotia and National Parks included in total only.
[2]Saskatchewan, Nova Scotia and National Parks not available.
[3]Saskatchewan, New Brunswick and National Parks included in total only.
[4]Saskatchewan, Nova Scotia and National Parks not available. Alberta ($35 703 319) included in total only.

FOREST FIRE STATISTICS FOR THE TERRITORIES

Table 3.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	109	19	1 067	--	87	22	3 214	--
Resident	18	3	82	--	18	4	57	--
Forest Industry	2	--	1	--	3	1	1 368	--
Railroads	1	--	--	--	1	--	154	--
Other Industry	20	4	22	--	18	4	9 858	2
Incendiary	-	-	-	-	4	1	90	--
Miscellaneous	21	4	2 184	--	21	5	664	--
Total known man-caused	171	30	3 356	--	152	36	15 405	2
Lightning	387	70	553 685	100	244	59	721 137	95
Unknown	3	--	--	--	17	4	23 294	3
Total	561	100	557 041	100	413	100	759 836	100

Table 3.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	112	20	5	--	106	26	8	--
0.1 - 4.0	243	43	232	--	169	41	211	--
4.1 - 40.0	82	15	1 193	--	47	11	1 629	--
40.1 - 200	41	7	4 095	1	25	6	2 696	--
over 200	83	15	551 516	99	66	16	755 292	100
Totals	561	100	557 041	100	413	100	759 836	100

FOREST FIRE STATISTICS FOR THE TERRITORIES

Table 3.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	1	--	--	--	-	-	-	-
April	3	--	--	--	4	1	18	--
May	22	4	3	--	35	9	10 882	1
June	147	26	50 287	9	123	30	293 350	39
July	318	58	451 371	81	157	38	307 266	40
August	55	10	55 272	10	72	17	144 429	19
September	13	2	108	--	17	4	3 889	1
October	2	--	--	--	5	1	2	--
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	561	100	557 041	100	413	100	759 836	100

Table 3.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	36 712	$ 1 169 149	37 386	$ 1 225 689
Regeneration and immature	33 951	4 431 280	103 603	3 626 516
Cutover & other areas	486 378	2 098 455	618 847	2 833 954
Real and personal property		-		25 130
Totals	557 041	$ 7 698 884	759 836	$ 7 711 289

FOREST FIRE STATISTICS FOR BRITISH COLUMBIA

Table 4.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	317	14	11 704	4	380	16	2 093	5
Resident	85	4	648	--	125	5	2 735	7
Forest Industry	110	5	1 388	--	174	7	6 289	15
Railroads	78	4	484	--	107	5	304	1
Other Industry	112	5	2 560	1	67	3	1 142	3
Incendiary	206	9	3 832	1	122	5	1 285	3
Miscellaneous	344	16	3 791	1	385	17	5 494	13
Total known man-caused	1 252	57	24 407	7	1 360	58	19 342	47
Lightning	946	43	323 176	93	974	42	22 299	53
Unknown	7	--	1 110	--	8	--	80	--
Total	2 205	100	348 693	100	2 342	100	41 721	100

Table 4.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	1 384	63	138	--	1 522	65	113	--
0.1 - 4.0	625	28	759	--	616	26	531	1
4.1 - 40.0	121	6	1 551	1	136	6	2 021	5
40.1 - 200	32	1	2 714	1	45	2	4 068	10
over 200	43	2	343 531	98	23	1	34 988	84
Totals	2 205	100	348 693	100	2 342	100	41 721	100

FOREST FIRE STATISTICS FOR BRITISH COLUMBIA

Table 4.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	1	--	1	--	1	--	7	--
February	-	-	-	-	1	--	2	--
March	15	1	9	--	13	1	58	--
April	143	6	160	--	124	5	4 032	10
May	296	13	1 494	--	230	10	9 405	23
June	929	43	93 695	27	310	13	4 627	11
July	425	19	116 086	34	636	27	6 317	15
August	252	11	125 272	36	730	31	8 625	21
September	108	5	10 680	3	203	9	6 805	16
October	35	2	1 295	--	85	4	1 378	3
November	-	-	-	-	6	--	457	1
December	1	--	1	--	3	--	8	--
Totals	2 205	100	348 693	100	2 342	100	41 721	100

Table 4.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	176 722	$17 961 327	12 755	$37 186 517
Regeneration and immature	103 954	22 407 355	8 101	34 153 437
Cutover & other areas	68 017	849 490	20 865	3 410 409
Real and personal property		2 671 804		7 586 616
Totals	348 693	$43 889 976	41 721	$82 336 979

FOREST FIRE STATISTICS FOR ALBERTA

Table 5.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	166	13	947	--	146	18	172	--
Resident	124	10	1 850	--	87	10	2 404	1
Forest Industry	5	1	1	--	17	2	169	--
Railroads	25	2	107	--	17	2	110	--
Other Industry	71	6	56	--	51	6	22 649	10
Incendiary	53	4	680	--	70	8	1 969	1
Miscellaneous	87	7	101	--	65	8	15 599	7
Total known man-caused	531	43	3 742	--	453	54	43 072	19
Lightning	695	55	675 557	100	349	42	192 964	81
Unknown	30	2	384	--	34	4	247	--
Total	1 256	100	679 683	100	836	100	236 283	100

Table 5.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	672	54	--	--	443	53	1	--
0.1 - 4.0	369	29	448	--	272	33	337	--
4.1 - 40.0	111	9	1 838	--	83	10	1 248	1
40.1 - 200	48	4	4 593	1	23	3	1 968	1
over 200	56	4	672 804	99	15	1	232 729	98
Totals	1 256	100	679 683	100	836	100	236 283	100

FOREST FIRE STATISTICS FOR ALBERTA

Table 5.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	7	1	26	--	5	--	--	--
February	5	1	31	--	5	--	8	--
March	1	--	--	--	9	1	12	--
April	29	2	32	--	82	10	23 549	10
May	239	19	3 326	--	199	24	45 630	19
June	624	50	653 047	97	157	19	30 332	15
July	207	16	22 961	3	162	20	14 231	6
August	28	2	1	--	116	14	71 325	30
September	55	4	108	--	41	5	51 034	22
October	48	4	149	--	39	5	95	--
November	12	1	--	--	18	2	53	--
December	1	--	2	--	3	--	14	--
Totals	1 256	100	679 683	100	836	100	236 283	100

Table 5.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	278 703	$121 204 715	97 902	$ ..
Regeneration and immature	179 284	16 810 620	63 721	..
Cutover & other areas	221 696	-	74 660	..
Real and personal property		-		..
Totals	679 683	$138 015 335	236 283	$35 703 319

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Table 6.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	122	20	1 757	3	75	15	15 432	4
Resident	112	19	2 794	4	70	14	1 930	--
Forest Industry	13	2	7 004	11	6	1	32	--
Railroads	1	--	--	--	3	1	47	--
Other Industry	7	1	9	--	11	2	3 807	1
Incendiary	58	10	137	--	33	7	4 468	1
Miscellaneous	24	4	25	--	23	5	40 068	10
Total known man-caused	337	56	11 726	18	221	45	65 784	16
Lightning	242	41	46 156	72	236	48	338 092	82
Unknown	17	3	6 704	10	31	7	6 799	2
Total	596	100	64 586	100	488	100	410 675	100

Table 6.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	251	42	17	--	185	38	2	--
0.1 - 4.0	245	41	267	--	182	37	226	--
4.1 - 40.0	48	8	715	--	52	11	826	--
40.1 - 200	25	4	1 842	3	22	5	2 963	1
over 200	27	5	61 745	97	47	9	406 658	99
Totals	596	100	64 586	100	488	100	410 675	100

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Table 6.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	2	1	4	--
February	-	-	-	-	1	--	4	--
March	1	--	2	--	1	--	22	--
April	35	6	1 314	2	32	7	43 125	11
May	108	18	1 760	3	123	25	82 626	20
June	182	31	26 047	40	109	22	97 343	24
July	187	32	35 417	55	98	20	100 852	25
August	25	4	3	--	89	18	77 507	18
September	36	6	29	--	21	4	957	--
October	20	3	14	--	7	2	8 223	2
November	2	--	--	--	5	1	12	--
December	-	-	-	-	-	-	-	-
Totals	596	100	64 586	100	488	100	410 675	100

Table 6.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	..	..	..	..
Regeneration and immature	..	..	..	..
Cutover & other areas	..	..	..	..
Real and personal property		..		..
Totals	64 586	$ ..	410 675	$ ..

FOREST FIRE STATISTICS FOR MANITOBA

Table 7.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	62	15	1 933	13	81	12	5 794	4
Resident	78	18	1 142	7	177	26	22 713	14
Forest Industry	5	1	1	--	5	1	254	--
Railroads	21	5	80	--	21	3	1 017	1
Other Industry	8	2	298	2	17	2	625	--
Incendiary	93	22	7 311	47	70	10	10 107	6
Miscellaneous	28	7	118	1	25	4	3 258	2
Total known man-caused	295	70	10 883	70	396	58	43 768	27
Lightning	130	30	4 561	30	260	38	111 999	70
Unknown	-	-	-	-	24	4	4 632	3
Total	425	100	15 444	100	680	100	160 399	100

Table 7.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	113	26	11	--	178	26	13	--
0.1 - 4.0	212	50	203	1	302	44	427	--
4.1 - 40.0	83	20	3 416	22	126	19	4 081	3
40.1 - 200	17	4	11 814	77	50	7	102 197	64
over 200	-	-	-	-	24	4	53 681	33
Totals	425	100	15 444	100	680	100	160 399	100

FOREST FIRE STATISTICS FOR MANITOBA

Table 7.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	6	1	21	--
February	-	-	-	-	1	--	98	--
March	-	-	-	-	3	1	785	--
April	56	13	3 005	19	68	10	26 279	16
May	78	18	3 883	25	158	23	44 493	28
June	63	15	3 064	20	111	16	41 959	26
July	156	37	4 390	29	167	25	33 677	21
August	30	7	353	2	103	15	6 590	4
September	34	8	183	1	35	5	2 434	2
October	7	2	566	4	19	3	2 449	2
November	1	--	--	--	8	1	1 614	1
December	-	-	-	-	1	--	--	--
Totals	425	100	15 444	100	680	100	160 399	100

Table 7.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	3 755	$1 877 700	54 192	$33 519 254
Regeneration and immature	3 339	300 537	32 922	2 394 768
Cutover & other areas	8 350	41 751	73 285	237 547
Real and personal property		5 000		-
Totals	15 444	$2 224 988	160 399	$36 151 569

FOREST FIRE STATISTICS FOR ONTARIO

Table 8.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	517	37	273	7	493	25	8 475	4
Resident	224	16	884	23	197	10	2 883	1
Forest Industry	11	1	12	--	23	1	16 250	7
Railroads	160	11	561	14	209	11	2 684	1
Other Industry	22	2	32	1	31	2	203	--
Incendiary	39	3	41	1	38	2	464	--
Miscellaneous	156	11	403	10	210	11	14 958	6
Total known man-caused	1 129	81	2 206	56	1 201	62	45 917	79
Lightning	237	17	1 612	42	704	36	186 634	20
Unknown	30	2	74	2	41	2	2 241	1
Total	1 396	100	3 892	100	1 946	100	234 792	100

Table 8.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	719	52	42	1	903	46	52	--
0.1 - 4.0	591	42	559	14	853	44	792	--
4.1 - 40.0	74	5	1 049	27	121	6	1 654	1
40.1 - 200	9	1	807	21	31	2	3 156	1
over 200	3	--	1 435	37	38	2	229 138	98
Totals	1 396	100	3 892	100	1 946	100	234 792	100

FOREST FIRE STATISTICS FOR ONTARIO

Table 8.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	13	1	37	--
April	252	18	1 318	34	192	10	1 255	1
May	278	20	613	16	443	23	73 752	31
June	134	10	162	4	279	14	93 574	40
July	354	25	1 640	42	487	26	56 830	24
August	341	24	144	4	378	19	8 387	4
September	26	2	3	--	109	5	97	--
October	11	1	12	--	40	2	578	--
November	-	-	-	-	5	--	282	--
December	-	-	-	-	-	-	-	-
Totals	1 396	100	3 892	100	1 946	100	234 792	100

Table 8.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	92	$ 30 812	57 660	$11 074 340
Regeneration and immature	205	14 815	59 260	1 975 765
Cutover & other areas	3 595	-	117 872	2 506
Real and personal property		71 068		448 728
Totals	3 892	$ 116 695	234 792	$13 501 339

FOREST FIRE STATISTICS FOR QUEBEC[1]

Table 9.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	518	44	5 092	64	366	34	2 031	8
Resident	231	20	243	3	155	15	799	3
Forest Industry	66	5	21	--	81	8	2 667	11
Railroads	30	2	406	5	44	4	677	3
Other Industry	143	12	553	7	123	12	8 359	35
Incendiary	63	5	132	2	58	5	771	3
Miscellaneous	14	1	33	--	41	4	1 008	4
Total known man-caused	1 065	89	6 480	81	868	82	16 312	67
Lightning	137	11	1 490	19	192	18	7 936	33
Unknown	-	-	-	-	2	--	27	--
Total	1 202	100	7 970	100	1 062	100	24 275	100

[1]Figures reported do not include Limited Protection Zone.

Table 9.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	667	55	13	--	541	51	20	--
0.1 - 4.0	451	38	508	6	374	35	402	1
4.1 - 40.0	69	6	846	11	119	11	1 348	6
40.1 - 200	6	--	411	5	17	2	1 639	7
over 200	9	1	6 192	78	11	1	20 866	86
Totals	1 202	100	7 970	100	1 062	100	24 275	100

FOREST FIRE STATISTICS FOR QUEBEC

Table 9.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	58	5	101	1	44	4	147	1
May	451	39	2 037	26	365	34	5 599	23
June	152	13	5 390	68	155	15	13 492	55
July	205	17	82	1	218	20	4 344	18
August	245	20	111	1	208	20	378	2
September	34	2	9	--	49	5	192	1
October	45	3	173	2	17	2	76	--
November	12	1	67	1	6	--	41	--
December	-	-	-	-	--	--	6	--
Totals	1 202	100	7 970	100	1 062	100	24 275	100

Table 9.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	5 820	$ 765 826	13 540	$ 1 387 737
Regeneration and immature	1 382	48 232	5 979	133 732
Cutover & other areas	768	14 470	4 756	22 036
Real and personal property		57 528		906 791
Totals	7 970	$ 886 056	24 275	$ 2 450 296

FOREST FIRE STATISTICS FOR NEW BRUNSWICK

Table 10.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	41	9	93	2	25	6	108	5
Resident	49	10	86	1	41	8	247	11
Forest Industry	20	4	4 426	68	19	4	305	14
Railroads	20	4	50	1	26	6	124	6
Other Industry	17	4	746	11	11	2	75	3
Incendiary	31	6	511	8	27	6	322	15
Miscellaneous	230	47	416	6	219	48	451	21
Total known man-caused	408	84	6 328	97	368	80	1 642	75
Lightning	15	3	8	-	30	7	192	9
Unknown	64	13	201	3	60	13	341	16
Total	487	100	6 537	100	458	100	2 175	100

Table 10.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	286	59	8	--	225	49	10	--
0.1 - 4.0	156	32	162	2	198	44	190	9
4.1 - 40.0	31	6	385	6	28	6	378	17
40.1 - 200	10	2	643	10	5	1	432	20
over 200	4	1	5 339	82	2	--	1 165	54
Totals	487	100	6 537	100	458	100	2 175	100

FOREST FIRE STATISTICS FOR NEW BRUNSWICK

Table 10.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	--	--	2	--
April	24	5	43	1	23	5	64	3
May	203	42	5 797	89	153	34	1 155	53
June	101	20	62	1	84	18	554	25
July	105	22	494	7	72	16	74	3
August	19	4	13	--	89	19	230	11
September	5	1	--	--	28	6	82	4
October	28	6	127	2	7	2	12	1
November	2	--	1	--	2	--	2	--
December	-	-	-	-	-	-	-	-
Totals	487	100	6 537	100	458	100	2 175	100

Table 10.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	4 709	$1 418 627	..	$ 235 233
Regeneration and immature	595	31 687	..	45 627
Cutover & other areas	1 233	53 107	..	47 036
Real and personal property		2 173 334		1 146 963
Totals	6 537	$3 676 755	2 175	$ 1 474 859

FOREST FIRE STATISTICS FOR PRINCE EDWARD ISLAND

Table 11.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	-	-	-	-	5	11	15	9
Resident	5	9	22	17	2	6	8	4
Forest Industry	2	4	7	5	3	7	4	3
Railroads	1	2	1	--	1	2	2	1
Other Industry	4	8	6	5	1	2	21	12
Incendiary	7	13	67	51	7	16	58	35
Miscellaneous	5	9	--	--	13	29	6	4
Total known man-caused	24	45	103	78	32	73	114	68
Lightning	-	-	-	-	-	-	-	-
Unknown	29	55	28	22	12	27	54	32
Total	53	100	131	100	44	100	168	100

Table 11.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	20	38	3	2	13	30	14	8
0.1 - 4.0	26	49	36	28	22	51	33	20
4.1 - 40.0	7	13	92	70	7	16	51	30
40.1 - 200	-	-	-	-	1	1	38	23
over 200	-	-	-	-	1	2	32	19
Totals	53	100	131	100	44	100	168	100

FOREST FIRE STATISTICS FOR PRINCE EDWARD ISLAND

Table 11.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	..	..	-	-
February	-	-	-	-	..	..	-	-
March	-	-	-	-	..	..	4	3
April	22	41	76	58	..	..	33	20
May	22	41	53	40	..	..	88	52
June	1	2	-	-	..	..	10	5
July	3	6	1	1	..	..	23	14
August	3	6	1	1	..	..	4	3
September	-	-	-	-	..	..	5	3
October	2	4	-	-	..	..	-	-
November	-	-	-	-	..	..	1	--
December	-	-	-	-	..	..	-	-
Totals	53	100	131	100	44	100	168	100

Table 11.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	2	$ -	..	$ ..
Regeneration and immature	23	960	..	..
Cutover & other areas	106	9 040	..	..
Real and personal property		-		..
Totals	131	$ 10 000	168	$ ..

FOREST FIRE STATISTICS FOR NOVA SCOTIA

Table 12.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	115	23	94	15	30	5	61	2
Resident	-	-	-	-	54	9	55	2
Forest Industry	63	13	62	10	22	4	95	3
Railroads	20	4	5	1	41	7	67	2
Other Industry	70	14	93	15	26	4	44	1
Incendiary	123	25	293	48	103	18	550	18
Miscellaneous	37	8	11	1	187	31	417	14
Total known man-caused	428	87	558	90	463	78	1 289	42
Lightning	-	-	-	-	3	1	2	--
Unknown	63	13	59	10	121	21	1 801	58
Total	491	100	617	100	587	100	3 092	100

Table 12.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	199	41	8	1	239	41	6	--
0.1 - 4.0	258	53	162	27	314	53	263	9
4.1 - 40.0	32	6	304	49	29	5	348	11
40.1 - 200	2	--	143	23	3	1	255	8
over 200	-	-	-	-	2	--	2 220	72
Totals	491	100	617	100	587	100	3 092	100

FOREST FIRE STATISTICS FOR NOVA SCOTIA

Table 12.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	2	--	7	--
March	42	9	68	11	18	3	71	2
April	138	28	152	25	153	26	266	9
May	131	27	292	47	184	31	562	18
June	52	11	25	4	71	12	1 925	62
July	58	12	25	4	46	8	181	6
August	27	5	4	1	73	13	39	1
September	20	4	4	1	31	5	17	1
October	17	3	21	3	5	1	14	1
November	6	1	26	4	4	1	10	--
December	-	-	-	-	-	-	-	-
Totals	491	100	617	100	587	100	3 092	100

Table 12.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	..	$ ..	1 460	$ ..
Regeneration and immature	..	..	197	..
Cutover & other areas	..	..	1 435	..
Real and personal property		..		..
Totals	617	$ ..	3 092	$ ..

FOREST FIRE STATISTICS FOR NEWFOUNDLAND AND LABRADOR

Table 13.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	18	11	111	3	27	14	2 920	5
Resident	26	16	23	1	23	12	330	1
Forest Industry	5	3	366	8	8	4	1 378	3
Railroads	7	4	228	5	21	11	222	--
Other Industry	2	1	12	--	2	1	428	1
Incendiary	1	1	1	--	4	2	15	--
Miscellaneous	35	21	206	5	25	12	1 889	4
Total known man-caused	94	57	947	22	110	56	7 182	14
Lightning	7	4	2 711	62	27	14	45 087	85
Unknown	64	39	734	16	61	30	587	1
Total	165	100	4 392	100	198	100	52 856	100

Table 13.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	-	-	-	-	89	45	84	--
0.1 - 4.0	125	76	72	2	73	37	142	--
4.1 - 40.0	31	19	467	11	20	10	356	1
40.1 - 200	4	2	277	6	5	3	680	2
over 200	5	3	3 576	81	11	5	51 594	97
Totals	165	100	4 392	100	198	100	52 856	100

FOREST FIRE STATISTICS FOR NEWFOUNDLAND AND LABRADOR

Table 13.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	2	1	1	--	7	3	10	--
May	45	27	537	12	52	26	819	2
June	62	37	2 828	65	49	25	8 808	16
July	19	12	890	20	52	27	26 526	50
August	30	18	125	3	28	14	16 249	31
September	6	4	10	--	10	5	441	1
October	1	1	1	--	--	--	3	--
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	165	100	4 392	100	198	100	52 856	100

Table 13.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	491	$ 60 000	5 294	$ 3 452 202
Regeneration and immature	3 901	-	2 104	133 866
Cutover & other areas	-	-	45 458	31 054
Real and personal property		-		-
Totals	4 392	$ 60 000	52 856	$ 3 617 122

FOREST FIRE STATISTICS FOR THE YUKON TERRITORY

Table 14.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	37	18	16	--	28	24	126	--
Resident	12	6	63	--	6	6	37	--
Forest Industry	1	1	--	--	2	2	1 367	2
Railroads	-	-	-	-	--	--	1	--
Other Industry	13	6	21	--	7	6	36	--
Incendiary	-	-	-	-	3	3	85	--
Miscellaneous	15	7	577	1	8	7	214	--
Total known man-caused	78	38	677	1	54	48	1 866	2
Lightning	125	61	254 214	99	53	45	61 425	92
Unknown	1	1	--	--	8	7	3 972	6
Total	204	100	254 891	100	115	100	67 263	100

Table 14.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	64	31	1	--	48	42	1	--
0.1 - 4.0	56	27	59	--	39	34	49	--
4.1 - 40.0	34	17	479	--	11	10	1 015	2
40.1 - 200	20	10	2 034	1	7	6	904	1
over 200	30	15	252 318	99	10	8	65 294	97
Totals	204	100	254 891	100	115	100	67 263	100

FOREST FIRE STATISTICS FOR THE YUKON TERRITORY

Table 14.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	1	1	--	--	-	-	-	-
April	3	2	--	--	1	1	11	--
May	11	5	1	--	15	13	7 053	10
June	80	39	20 000	8	31	27	12 291	18
July	94	46	180 000	71	43	38	25 397	38
August	9	4	54 790	21	18	15	22 178	33
September	4	2	100	--	6	5	333	--
October	2	1	--	--	1	1	--	--
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	204	100	254 891	100	115	100	67 263	100

Table 14.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	36 684	$1 167 469	19 978	$ 450 123
Regeneration and immature	31 443	4 226 200	8 964	814 115
Cutover & other areas	186 764	600 385	38 321	207 818
Real and personal property		-		4 370
Totals	254 891	$5 994 054	67 263	$1 476 426

FOREST FIRE STATISTICS FOR THE NORTHWEST TERRITORIES

Table 15.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	72	20	1 051	--	59	20	3 088	--
Resident	6	2	19	--	12	4	20	--
Forest Industry	1	--	1	--	1	--	1	--
Railroads	1	--	--	--	1	--	153	--
Other Industry	7	2	1	--	11	4	9 822	2
Incendiary	-	-	-	-	1	--	5	--
Miscellaneous	6	2	1 607	1	13	4	450	--
Total known man-caused	93	26	2 679	1	98	62	13 539	2
Lightning	262	74	299 471	99	191	35	659 712	95
Unknown	2	--	--	--	9	3	19 322	3
Total	357	100	302 150	100	298	100	692 573	100

Table 15.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	48	13	4	--	58	19	7	--
0.1 - 4.0	187	53	173	--	130	44	162	--
4.1 - 40.0	48	13	714	--	36	12	614	--
40.1 - 200	21	6	2 061	1	18	6	1 792	--
over 200	53	15	299 198	99	56	19	689 998	100
Totals	357	100	302 150	100	298	100	692 573	100

FOREST FIRE STATISTICS FOR THE NORTHWEST TERRITORIES

Table 15.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	3	1	7	--
May	11	3	2	--	20	7	3 829	--
June	67	19	30 287	10	92	31	281 059	41
July	224	63	271 371	90	114	38	281 869	41
August	46	13	482	--	54	18	122 251	18
September	9	2	8	--	11	4	3 556	--
October	-	-	-	-	4	1	2	--
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	357	100	302 150	100	298	100	692 573	100

Table 15.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	28	$ 1 680	17 408	$ 775 566
Regeneration and immature	2 508	205 080	94 639	2 812 401
Cutover & other areas	299 614	1 498 070	580 526	2 626 136
Real and personal property		-		20 760
Totals	302 150	$1 704 830	692 573	$6 234 863

FOREST FIRE STATISTICS FOR THE NATIONAL PARKS

Table 16.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	20	19	--	--	16	17	6	--
Resident	2	2	1	--	2	2	2 107	2
Forest Industry	1	1	--	--	-	-	-	-
Railroads	1	1	--	--	5	5	5	--
Other Industry	-	-	-	-	1	1	1	--
Incendiary	1	1	11	--	5	5	41	--
Miscellaneous	11	11	7	--	9	9	55	--
Total known man-caused	36	35	19	--	38	40	2 215	2
Lightning	56	53	8 495	99	50	52	101 808	98
Unknown	12	12	91	1	7	8	79	--
Total	104	100	8 605	100	95	100	104 102	100

Table 16.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	33	32	4	--	41	43	3	--
0.1 - 4.0	57	55	48	--	39	41	40	--
4.1 - 40.0	5	5	56	1	6	6	84	--
40.1 - 200	4	3	357	4	2	3	326	--
over 200	5	5	8 140	95	7	7	103 649	100
Totals	104	100	8 605	100	95	100	104 102	100

FOREST FIRE STATISTICS FOR THE NATIONAL PARKS

Table 16.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	3	3	1	--	4	4	136	--
May	17	16	205	2	15	16	2 189	2
June	49	47	7 119	83	27	28	19 784	19
July	20	19	1 276	15	22	24	14 000	14
August	11	11	4	--	21	22	67 991	65
September	1	1	--	--	3	3	1	--
October	3	3	--	--	2	2	1	--
November	-	-	-	-	1	1	--	--
December	-	-	-	-	-	-	-	-
Totals	104	100	8 605	100	95	100	104 102	100

Table 16.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	..	$ ..	..	$ ..
Regeneration and immature	..	..	..	..
Cutover & other areas	..	..	..	..
Real and personal property		..		..
Totals	8 605	$ ..	104 102	$ ..

FOREST FIRE STATISTICS FOR OTHER FEDERAL LANDS

Table 17.1 Fire Distribution by Cause

Cause class	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation					1	8	1	1
Resident					-	-	-	-
Forest Industry					1	8	2	2
Railroads					-	-	-	-
Other Industry					--	--	1	1
Incendiary		NO FIRES			-	-	-	-
Miscellaneous					10	84	90	89
Total known man-caused					12	100	94	93
Lightning					-	-	-	-
Unknown					--	--	7	7
Total					12	100	101	100

Table 17.2 Fire Distribution by Size Class

Size class (hectares)	1982				Annual average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09					1	8	9	9
0.1 - 4.0					7	58	36	36
4.1 - 40.0					3	26	56	55
40.1 - 200		NO FIRES			1	8	--	--
over 200					-	-	-	-
Totals					12	100	101	100

FOREST FIRE STATISTICS FOR OTHER FEDERAL LANDS

Table 17.3 Fire Distribution by Month

Month	1982				Annual Average 1972-1981			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January					-	-	-	-
February					-	-	-	-
March					-	-	-	-
April					--	--	1	1
May					3	25	40	39
June		NO FIRES			2	17	19	19
July					4	33	28	28
August					2	17	9	9
September					1	8	4	4
October					-	-	-	-
November					-	-	-	-
December					-	-	-	-
Totals					12	100	101	100

Table 17.4 Fire Losses

	1982		Annual average 1972-1981	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber			25	$ 3 204
Regeneration and immature			-	5
Cutover & other areas	NO FIRES		76	124
Real and personal property				-
Totals			101	$ 3 333

CANADIAN FOREST FIRE STATISTICS/
STATISTIQUES SUR LES INCENDIES DE FORET AU CANADA

PART/PARTIE III

1983

FOREST FIRE STATISTICS FOR CANADA

Table 1.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	1 790	20	21 058	2	1 796	19	27 626	1
Resident	936	10	7 802	1	961	10	36 115	2
Forest Industry	330	4	6 448	--	359	4	29 309	1
Railroads	330	4	619	--	482	5	4 815	--
Other Industry	500	6	16 571	1	383	4	41 179	2
Incendiary	624	7	23 541	2	564	6	20 607	1
Miscellaneous	913	10	23 894	2	1 157	13	83 935	4
Total known man-caused	5 423	61	99 933	8	5 702	61	243 586	11
Lightning	3 290	37	1 093 122	92	3 101	34	1 840 882	87
Unknown	217	2	1 120	--	415	5	37 646	2
Total	8 930	100	1 194 175	100	9 218	100	2 122 114	100

Table 1.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	4 494	50	249	--	4 568	50	339	--
0.1 - 4.0	3 343	37	3 400	--	3 413	37	3 586	--
4.1 - 40.0	670	8	11 792	1	772	8	14 028	1
40.1 - 200	175	2	109 206	9	223	2	120 624	6
over 200	248	3	1 069 528	90	242	3	1 983 537	93
Totals	8 930	100	1 194 175	100	9 218	100	2 122 114	100

FOREST FIRE STATISTICS FOR CANADA

Table 1.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires[1]	%	Area burned in hectares	%
January	10	--	6	--	14	--	35	--
February	8	--	2	--	10	--	122	--
March	67	1	185	--	60	--	993	--
April	644	8	4 498	1	781	8	99 445	5
May	1 301	15	76 578	6	1 841	20	258 335	12
June	1 732	19	362 080	30	1 594	18	660 944	31
July	1 792	20	148 699	13	2 146	23	602 217	28
August	2 285	26	457 147	38	1 886	21	418 085	20
September	835	9	143 620	12	545	6	66 672	3
October	215	2	1 279	--	230	2	12 755	1
November	36	--	63	--	59	1	2 433	--
December	5	--	18	--	7	--	28	--
Totals	8 930	100	1 194 175	100	9 218	100	2 122 114	100

[1]Prince Edward Island (45 fires) included in total only.

Table 1.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares[2]	Value lost[3]	Area burned in hectares[4]	Value lost[5]
Merchantable Timber	316 211	$ 58 495 027	309 156	$ 55 854 072
Regeneration and immature	93 453	31 699 753	291 415	14 312 436
Cutover & other areas	783 663	2 877 857	1 017 636	3 771 789
Real and personal property		8 302 553		3 724 426
Totals	1 194 175	$101 375 190	2 122 114	$126 436 849

[1]National Parks (848 ha) included in total only.
[2]Nova Scotia and National Parks not available.
[3]Saskatchewan, New Brunswick, Prince Edward Island and National Parks included in total only (503 907 ha).
[4]Saskatchewan, Nova Scotia, Prince Edward Island and National Parks not included. Alberta included in total only ($48 774 126).

1983

Table 1.5 Fire Control Expenditure[1]

Jurisdiction	Budgeted Costs	Fire Fighting Costs
British Columbia	$ 50 000 000	$ 24 800 000
Alberta	19 075 000	16 214 000
Saskatchewan	8 000 000	7 589 000
Manitoba	8 500 000	8 259 000
Ontario	24 500 000	20 000 000
Quebec	23 200 000	11 803 000
New Brunswick	1 072 000	2 229 000
Prince Edward Island	24 000	-
Nova Scotia	624 000	159 000
Newfoundland	3 428 000	50 000
Yukon Territory	5 746 000	1 478 000
Northwest Territories	9 667 000	7 700 000
National Parks	1 649 000	300 000
Other Federal Lands	-	-
Total	$ 155 485 000	$ 100 581 000

[1] Figures rounded to nearest 1 000 dollars, interagency comparisons should not be made; data from previous years not sufficiently complete for annual averages.

Table 1.6 Fatalities

Total 1983
-
1
-
-
-
-
-
-
-
-
1
-
-
-
1

FOREST FIRE STATISTICS FOR THE PROVINCES[1]

Table 2.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	1 731	21	21 041	2	1 706	19	24 428	2
Resident	915	11	7 790	1	942	11	36 056	3
Forest Industry	328	4	6 448	1	357	4	27 941	2
Railroads	330	4	619	--	481	5	4 661	--
Other Industry	496	6	16 554	2	363	4	31 345	2
Incendiary	624	7	23 541	2	561	6	20 523	2
Miscellaneous	901	11	23 894	3	1 135	13	83 052	6
Total known man-caused	5 325	64	99 887	11	5 545	62	228 006	17
Lightning	2 855	34	823 322	89	2 849	32	1 090 176	82
Unknown	215	2	1 119	--	402	6	17 506	1
Total	8 395	100	924 328	100	8 796	100	1 335 688	100

[1]Includes all areas in Canada except the Yukon and the Northwest Territories.

Table 2.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973- 1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	4 388	52	247	--	4 461	51	330	--
0.1 - 4.0	3 117	37	3 177	--	3 237	37	3 375	--
4.1 - 40.0	605	7	10 662	1	723	8	12 392	1
40.1 - 200	137	2	105 179	12	198	2	117 850	9
over 200	148	2	805 063	87	177	2	1 201 741	90
Totals	8 395	100	924 328	100	8 796	100	1 335 688	100

[1]Includes all areas in Canada except the Yukon and the Northwest Territories.

FOREST FIRE STATISTICS FOR THE PROVINCES

Table 2.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires[1]	%	Area burned in hectares	%
January	10	--	6	--	14	--	35	--
February	8	--	2	--	10	--	122	--
March	67	1	185	--	60	1	993	--
April	641	8	4 497	1	776	9	99 427	7
May	1 277	15	76 560	8	1 806	21	247 459	19
June	1 527	18	335 799	36	1 470	17	369 972	28
July	1 523	18	36 046	4	1 981	23	271 087	20
August	2 264	27	326 350	35	1 815	21	268 556	20
September	825	10	143 526	16	527	6	62 773	5
October	212	3	1 276	--	226	2	12 753	1
November	36	--	63	--	59	--	2 483	--
December	5	--	18	--	7	--	28	--
Totals	8 395	100	924 328	100	8 796	100	1 335 688	100

[1] Prince Edward Island (45 fires) included in total only.

Table 2.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares[2]	Value lost[3]	Area burned in hectares[4]	Value lost[5]
Merchantable Timber	302 186	$ 57 040 624	275 074	$ 54 593 382
Regeneration and immature	91 485	31 363 672	197 941	10 309 823
Cutover & other areas	529 809	1 412 321	358 766	733 257
Real and personal property		8 302 553		3 708 101
Totals	924 328	$ 98 119 170	1 335 688	$118 118 689

[2] National Parks (848 ha) included in total only.
[3] Nova Scotia and National Parks not available.
[4] Saskatchewan, New Brunswick, Prince Edward Island and National Parks included in total only (503 907 ha).
[5] Saskatchewan, Nova Scotia, Prince Edward Island and National Parks not included. Alberta included in total only ($48 774 126).

FOREST FIRE STATISTICS FOR THE TERRITORIES

Table 3.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	59	11	17	-	90	21	3 198	--
Resident	21	4	12	-	19	5	59	--
Forest Industry	2	--	--	--	2	--	1 368	--
Railroads	-	-	-	-	1	--	154	--
Other Industry	4	1	17	--	20	5	9 834	1
Incendiary	-	-	-	-	3	1	84	--
Miscellaneous	12	2	--	--	22	5	883	--
Total known man-caused	98	18	46	--	157	37	15 580	1
Lightning	435	81	269 800	100	252	60	750 706	96
Unknown	2	1	1	--	13	3	20 140	3
Total	535	100	269 847	100	422	100	786 426	100

Table 3.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	106	20	2	--	107	25	9	--
0.1 - 4.0	226	42	223	--	176	42	211	--
4.1 - 40.0	65	12	1 130	--	49	12	1 636	--
40.1 - 200	38	7	4 027	2	25	6	2 774	1
over 200	100	19	264 465	98	65	15	781 796	99
Totals	535	100	269 847	100	422	100	786 426	100

FOREST FIRE STATISTICS FOR THE TERRITORIES

Table 3.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	3	1	1	--	5	1	18	--
May	24	4	18	--	35	8	10 876	1
June	205	38	26 281	10	124	29	290 972	37
July	269	50	112 653	42	165	39	331 130	42
August	21	4	130 797	48	71	18	149 529	19
September	10	2	94	--	18	4	3 899	1
October	3	1	3	--	4	1	2	--
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	535	100	269 847	100	422	100	786 426	100

Table 3.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	14 025	$ 1 454 403	34 082	$ 1 260 690
Regeneration and immature	1 968	336 081	93 474	4 002 613
Cutover & other areas	253 854	1 465 536	658 870	3 038 532
Real and personal property		-		16 325
Totals	269 847	$ 3 256 020	786 426	$ 8 318 160

FOREST FIRE STATISTICS FOR BRITISH COLUMBIA

Table 4.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	294	17	18 446	27	393	17	3 250	4
Resident	79	5	2 689	4	121	5	2 567	4
Forest Industry	125	7	1 102	2	166	7	5 701	8
Railroads	76	5	338	1	101	4	339	1
Other Industry	104	6	9 444	14	74	3	1 324	2
Incendiary	193	11	13 063	19	135	6	1 665	1
Miscellaneous	344	20	21 557	32	365	15	5 597	8
Total known man-caused	1 215	71	66 639	99	1 355	57	20 443	28
Lightning	486	29	451	1	1 010	43	53 349	72
Unknown	4	--	275	--	7	--	191	--
Total	1 705	100	67 365	100	2 372	100	73 983	100

Table 4.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	1 046	61	105	--	1 546	65	122	--
0.1 - 4.0	493	29	577	1	621	26	567	1
4.1 - 40.0	116	7	1 729	3	136	6	1 965	3
40.1 - 200	30	2	2 319	3	44	2	3 951	5
over 200	20	1	62 635	93	25	1	67 378	91
Totals	1 705	100	67 365	100	2 372	100	73 983	100

FOREST FIRE STATISTICS FOR BRITISH COLUMBIA

Table 4.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	1	--	7	--
February	2	--	1	--	1	--	2	--
March	21	1	109	--	13	1	54	--
April	197	12	1 497	2	132	6	4 024	5
May	423	25	64 088	95	220	9	9 108	12
June	211	12	88	--	381	16	12 789	17
July	249	15	331	1	635	27	17 680	24
August	397	23	355	1	700	30	21 027	29
September	128	8	555	1	199	8	7 508	10
October	74	4	326	--	81	3	1 319	2
November	1	--	1	--	6	--	457	1
December	2	--	14	--	3	--	8	--
Totals	1 705	100	67 365	100	2 372	100	73 983	100

Table 4.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	21 806	$ 4 234 871	30 281	$ 5 479 731
Regeneration and immature	11 042	6 181 418	18 046	5 630 901
Cutover & other areas	34 517	695 820	25 656	387 945
Real and personal property		1 197 373		1 006 777
Totals	67 365	$ 12 309 482	73 983	$12 505 354

FOREST FIRE STATISTICS FOR ALBERTA

Table 5.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	142	18	155	4	152	17	242	--
Resident	95	13	1 599	57	91	10	2 510	1
Forest Industry	19	3	11	--	16	2	165	--
Railroads	10	1	10	--	18	2	118	--
Other Industry	60	8	87	3	55	6	22 647	8
Incendiary	47	6	141	5	69	8	1 996	1
Miscellaneous	44	6	502	18	67	8	15 601	5
Total known man-caused	417	55	2 465	87	468	53	43 279	15
Lightning	316	42	308	11	387	43	255 810	85
Unknown	23	3	45	2	33	4	233	--
Total	756	100	2 818	100	888	100	299 322	100

Table 5.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	468	62	--	--	471	53	--	--
0.1 - 4.0	228	30	262	9	285	32	349	--
4.1 - 40.0	51	7	559	20	88	10	1 332	--
40.1 - 200	6	1	331	12	25	3	2 230	1
over 200	3	--	1 666	59	19	2	295 411	99
Totals	756	100	2 818	100	888	100	299 322	100

FOREST FIRE STATISTICS FOR ALBERTA

Table 5.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	10	1	6	--	5	1	3	--
February	5	1	--	--	5	1	11	--
March	5	1	1	--	8	1	11	--
April	83	11	833	30	81	9	23 526	8
May	139	18	1 199	42	193	22	41 624	14
June	197	26	526	19	206	22	95 118	31
July	116	15	96	3	176	20	16 514	6
August	90	12	45	2	107	12	71 302	24
September	52	7	22	1	44	5	51 040	17
October	43	6	36	1	41	5	106	--
November	13	2	50	2	19	2	53	--
December	3	0	4	--	3	--	14	--
Totals	756	100	2 818	100	888	100	299 322	100

Table 5.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	1 073	$ 306 663	123 248	$ ..
Regeneration and immature	143	2 440	80 761	..
Cutover & other areas	1 602	-	95 313	..
Real and personal property		-		..
Totals	2 818	$ 309 103	299 322	$48 774 126

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Table 6.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	82	19	115	--	76	15	1 799	--
Resident	67	15	2 088	4	77	15	2 159	1
Forest Industry	7	2	3	--	6	1	732	--
Railroads	3	1	6	--	3	1	47	--
Other Industry	8	2	5	--	11	2	3 808	1
Incendiary	45	10	8 971	17	34	7	4 358	1
Miscellaneous	12	3	515	1	25	5	40 071	10
Total known man-caused	224	52	11 703	22	232	46	52 974	13
Lightning	199	45	40 380	78	237	48	336 008	85
Unknown	14	3	89	--	32	6	7 469	2
Total	437	100	52 172	100	501	100	396 451	100

Table 6.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	129	30	19	--	187	37	4	--
0.1 - 4.0	223	51	233	--	194	39	233	--
4.1 - 40.0	50	11	683	1	51	10	764	--
40.1 - 200	10	2	868	2	22	4	2 906	1
over 200	25	6	50 369	97	47	10	392 544	99
Totals	437	100	52 172	100	501	100	396 451	100

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Table 6.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	2	--	4	--
February	-	-	-	-	1	--	4	--
March	-	-	-	-	1	--	22	--
April	13	3	48	--	35	7	43 249	11
May	72	16	4 209	8	125	25	72 594	19
June	97	22	11 152	21	114	23	90 701	23
July	59	15	10 795	21	110	22	103 983	26
August	159	36	25 916	50	79	16	76 760	19
September	31	7	47	--	21	4	946	--
October	5	1	4	--	8	2	8 176	2
November	1	--	1	--	5	1	12	--
December	-	-	-	-	-	-	-	-
Totals	437	100	52 172	100	501	100	396 451	100

Table 6.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	1 846	$ 16 407 410	..	$ ..
Regeneration and immature	7 632	19 175 617	..	..
Cutover & other areas	42 694	-	..	..
Real and personal property		-	..	..
Totals	52 172	$ 35 583 027	396 451	$ ..

FOREST FIRE STATISTICS FOR MANITOBA

Table 7.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	82	16	294	--	81	12	5 917	4
Resident	108	20	307	--	168	25	22 681	14
Forest Industry	3	1	5	--	5	1	254	--
Railroads	17	3	47	--	21	3	1 023	1
Other Industry	69	13	6 577	7	16	2	651	--
Incendiary	13	2	172	--	78	12	10 802	7
Miscellaneous	1	--	--	--	27	4	3 238	2
Total known man-caused	293	55	7 402	7	396	59	44 566	28
Lightning	242	45	91 751	93	249	37	110 881	69
Unknown	-	-	-	-	24	4	4 631	3
Total	535	100	99 153	100	669	100	160 078	100

Table 7.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	120	23	12	--	168	25	13	--
0.1 - 4.0	297	55	332	--	301	45	404	--
4.1 - 40.0	102	19	3 758	4	129	19	4 297	3
40.1 - 200	16	3	95 051	96	49	7	103 002	64
over 200	-	-	-	-	22	4	52 362	33
Totals	535	100	99 153	100	669	100	160 078	100

FOREST FIRE STATISTICS FOR MANITOBA

Table 7.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	6	1	21	--
February	-	-	-	-	1	--	98	--
March	-	-	-	-	3	1	785	--
April	32	6	1 167	1	72	11	26 572	17
May	59	11	4 960	5	158	24	44 812	28
June	54	10	406	1	105	16	41 751	26
July	87	16	351	--	168	25	33 335	21
August	209	39	9 851	10	94	14	6 203	4
September	86	16	81 801	82	36	5	2 452	2
October	7	2	612	1	17	2	2 435	1
November	1	--	5	--	8	1	1 614	1
December	-	-	-	-	1	--	--	--
Totals	535	100	99 153	100	669	100	160 078	100

Table 7.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	44 128	$ 3 546 651	53 854	$33 699 755
Regeneration and immature	22 834	2 055 078	32 788	2 418 141
Cutover & other areas	32 191	160 951	73 436	241 722
Real and personal property		10 000		7 800
Totals	99 153	$ 5 772 680	160 078	$36 367 418

FOREST FIRE STATISTICS FOR ONTARIO

Table 8.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	494	22	481	--	510	27	8 341	4
Resident	181	8	270	--	199	10	2 734	1
Forest Industry	36	2	2 473	1	23	1	16 246	7
Railroads	161	7	175	--	207	11	2 678	1
Other Industry	25	1	165	--	29	2	203	--
Incendiary	48	2	46	--	39	2	299	--
Miscellaneous	178	8	1 049	--	200	10	14 937	6
Total known man-caused	1 123	50	4 659	1	1 207	63	45 438	19
Lightning	1 090	49	438 930	99	675	35	184 307	80
Unknown	31	1	66	--	43	2	2 234	1
Total	2 244	100	443 655	100	1 925	100	231 979	100

Table 8.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	1 173	52	69	--	905	47	52	--
0.1 - 4.0	844	38	705	--	836	43	779	--
4.1 - 40.0	120	5	1 819	--	118	6	1 632	1
40.1 - 200	33	2	3 302	1	30	2	2 991	1
over 200	74	3	437 760	99	36	2	226 525	98
Totals	2 244	100	443 655	100	1 925	100	231 979	100

FOREST FIRE STATISTICS FOR ONTARIO

Table 8.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	16	1	25	--	13	1	37	--
April	112	5	285	--	209	11	1 375	1
May	170	8	960	--	396	20	71 065	31
June	290	13	71 086	16	262	14	93 205	40
July	601	27	22 146	5	488	25	56 956	24
August	743	33	288 529	65	404	21	8 384	4
September	302	13	60 607	14	108	6	96	--
October	10	--	17	--	40	2	579	--
November	-	-	-	-	5	--	282	--
December	-	-	-	-	-	-	-	-
Totals	2 244	100	443 655	100	1 925	100	231 979	100

Table 8.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	58 762	$12 275 273	56 213	$10 977 111
Regeneration and immature	15 901	2 955 376	59 172	1 969 368
Cutover & other areas	368 992	-	116 594	2 506
Real and personal property		352 210		451 090
Totals	443 655	$15 582 859	231 979	$13 400 075

FOREST FIRE STATISTICS FOR QUEBEC [1]

Table 9.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	551	33	1 220	1	384	36	1 869	13
Resident	321	19	701	--	171	16	741	5
Forest Industry	84	5	1 966	1	80	7	2 629	18
Railroads	20	1	22	--	43	4	135	1
Other Industry	191	12	188	--	132	12	2 105	15
Incendiary	79	5	350	--	61	6	354	2
Miscellaneous	8	1	9	--	14	1	781	5
Total known man-caused	1 254	76	4 456	2	885	82	8 614	59
Lightning	399	24	234 447	98	188	18	5 924	41
Unknown	-	-	-	-	-	-	1	--
Total	1 653	100	238 903	100	1 073	100	14 539	100

[1]Figures reported do not include Limited Protection Zone.

Table 9.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	941	57	21	--	577	54	22	--
0.1 - 4.0	584	35	679	--	364	34	395	3
4.1 - 40.0	93	6	1 295	1	111	10	1 199	8
40.1 - 200	19	1	1 739	1	13	1	1 241	9
over 200	16	1	235 169	98	8	1	11 682	80
Totals	1 653	100	238 903	100	1 073	100	14 539	100

FOREST FIRE STATISTICS FOR QUEBEC

Table 9.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	--	--	1	--
April	27	2	64	--	50	5	157	1
May	267	16	817	1	348	32	3 480	24
June	358	22	236 254	99	159	15	6 743	46
July	233	14	521	--	213	20	3 440	24
August	575	35	813	--	224	21	386	3
September	152	9	411	--	50	5	185	1
October	35	2	23	--	21	2	93	1
November	6	--	--	--	8	--	48	--
December	-	-	-	-	--	--	6	--
Totals	1 653	100	238 903	100	1 073	100	14 539	100

Table 9.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	173 488	$19 990 526	5 319	$ 669 513
Regeneration and immature	33 464	961 244	4 929	110 102
Cutover & other areas	31 951	473 547	4 291	17 994
Real and personal property		5 004 638		892 918
Totals	238 903	$26 429 955	14 539	$1 690 527

FOREST FIRE STATISTICS FOR NEW BRUNSWICK

Table 10.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	44	10	73	4	26	6	81	3
Resident	45	10	60	3	41	9	239	10
Forest Industry	18	4	846	46	21	5	699	29
Railroads	13	3	8	-	25	5	46	2
Other Industry	16	3	59	3	11	3	121	5
Incendiary	82	18	449	24	25	5	375	17
Miscellaneous	145	32	89	5	214	47	459	19
Total known man-caused	363	80	1 584	85	363	80	2 020	83
Lightning	50	11	252	14	29	6	43	2
Unknown	43	9	16	1	65	14	312	13
Total	456	100	1 852	100	457	100	2 375	100

Table 10.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	315	69	11	1	234	51	11	--
0.1 - 4.0	110	24	132	7	189	41	182	8
4.1 - 40.0	20	5	270	14	28	7	373	16
40.1 - 200	9	2	627	34	5	1	415	17
over 200	2	--	812	44	1	--	1 394	59
Totals	456	100	1 852	100	457	100	2 375	100

FOREST FIRE STATISTICS FOR NEW BRUNSWICK

Table 10.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	5	1	--	--	--	--	2	--
April	27	6	68	4	25	6	68	3
May	64	14	147	8	140	31	1 286	54
June	160	35	1 149	62	89	19	558	24
July	84	18	54	3	77	17	121	5
August	45	10	180	10	87	19	231	10
September	33	7	6	--	27	6	82	3
October	26	6	245	13	10	2	25	1
November	12	3	3	--	2	--	2	--
December	-	-	-	-	-	-	-	-
Totals	456	100	1 852	100	457	100	2 375	100

Table 10.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	907	$ 249 260	..	$ 359 070
Regeneration and immature	408	24 924	..	47 445
Cutover & other areas	537	81 903	..	52 036
Real and personal property	-	1 737 162		1 349 517
Totals	1 852	$2 093 249	2 375	$1 808 068

FOREST FIRE STATISTICS FOR PRINCE EDWARD ISLAND

Table 11.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	-	-	-	-	3	6	9	5
Resident	1	2	1	--	3	6	10	6
Forest Industry	-	-	-	-	3	7	4	3
Railroads	-	-	-	-	1	2	2	1
Other Industry	6	11	18	6	1	3	21	13
Incendiary	36	65	277	86	7	17	63	39
Miscellaneous	-	-	-	-	13	29	6	4
Total known man-caused	43	78	296	92	31	70	115	71
Lightning	-	-	-	-	-	-	-	-
Unknown	12	22	25	8	14	30	46	29
Total	55	100	321	100	45	100	161	100

Table 11.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	-	-	-	-	15	33	14	9
0.1 - 4.0	38	69	49	15	22	49	32	20
4.1 - 40.0	15	27	155	48	6	15	52	32
40.1 - 200	2	4	117	37	1	1	31	19
over 200	-	-	-	-	1	2	32	20
Totals	55	100	321	100	45	100	161	100

FOREST FIRE STATISTICS FOR PRINCE EDWARD ISLAND

Table 11.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	..	..	-	-
February	-	-	-	-	..	..	-	-
March	-	-	-	-	..	..	4	3
April	35	63	222	69	..	..	41	25
May	12	22	98	31	..	..	75	47
June	7	13	1	--	..	..	8	4
July	1	2	--	--	..	..	23	14
August	-	-	-	-	..	..	4	3
September	-	-	-	-	..	..	5	3
October	-	-	-	-	..	..	-	-
November	-	-	-	-	..	..	1	1
December	-	-	-	-	..	..	-	-
Totals	55	100	321	100	45	100	161	100

Table 11.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	20	$ 5 970	..	$ ..
Regeneration and immature	30	7 575	..	..
Cutover & other areas	271	-	..	..
Real and personal property		1 170		..
Totals	321	$14 715	161	$ ..

FOREST FIRE STATISTICS FOR NOVA SCOTIA

Table 12.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	12	4	7	2	39	7	68	2
Resident	-	-	-	-	47	8	39	1
Forest Industry	28	8	22	5	28	5	102	4
Railroads	21	6	8	2	39	7	44	2
Other Industry	17	5	11	2	31	5	35	1
Incendiary	79	24	71	16	104	18	554	19
Miscellaneous	138	42	111	24	174	30	399	14
Total known man-caused	295	89	230	51	462	80	1 241	43
Lightning	-	-	-	-	3	--	1	--
Unknown	37	11	219	49	114	20	1 673	57
Total	332	100	449	100	579	100	2 915	100

Table 12.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	146	44	6	1	238	41	6	-
0.1 - 4.0	172	52	124	28	308	53	252	9
4.1 - 40.0	12	4	123	27	29	6	344	12
40.1 - 200	2	--	196	44	3	--	210	7
over 200	-	-	-	-	1	--	2 103	72
Totals	332	100	449	100	579	100	2 915	100

FOREST FIRE STATISTICS FOR NOVA SCOTIA

Table 12.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	2	--	7	--
March	20	6	50	11	22	4	77	3
April	103	30	267	59	161	28	269	9
May	35	11	20	4	160	28	369	13
June	74	22	34	8	74	13	1 926	66
July	36	11	59	13	49	7	182	6
August	23	7	5	1	71	12	38	1
September	32	10	4	1	29	5	17	1
October	7	2	7	2	6	2	16	1
November	2	1	3	1	5	1	14	--
December	-	-	-	-	-	-	-	-
Totals	332	100	449	100	579	100	2 915	100

Table 12.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	49	$ ..	1 387	$ ..
Regeneration and immature	31	..	147	..
Cutover & other areas	369	..	1 381	..
Real and personal property		..		..
Totals	449	$ ..	2 915	$ ..

FOREST FIRE STATISTICS FOR NEWFOUNDLAND AND LABRADOR

Table 13.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	15	11	286	2	27	14	2 846	6
Resident	16	12	10	--	22	12	269	1
Forest Industry	7	5	20	--	9	5	1 409	3
Railroads	3	2	2	--	19	10	224	--
Other Industry	-	-	-	-	2	1	429	1
Incendiary	-	-	-	-	4	2	15	--
Miscellaneous	24	17	31	--	27	14	1 909	4
Total known man-caused	65	47	349	2	110	58	7 101	15
Lightning	32	23	16 102	96	19	10	41 236	84
Unknown	41	30	341	2	61	32	628	1
Total	138	100	16 792	100	190	100	48 965	100

Table 13.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	10	7	1	--	81	43	83	--
0.1 - 4.0	94	68	62	--	75	40	139	--
4.1 - 40.0	18	13	146	1	20	10	351	1
40.1 - 200	9	7	564	4	4	2	545	1
over 200	7	5	16 019	95	10	5	47 847	98
Totals	138	100	16 792	100	190	100	48 965	100

FOREST FIRE STATISTICS FOR NEWFOUNDLAND AND LABRADOR

Table 13.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	5	3	3	--	7	4	10	--
May	29	21	45	--	51	27	837	2
June	51	37	15 027	90	50	27	6 702	14
July	41	30	1 687	10	43	23	24 727	50
August	4	3	16	--	29	15	16 245	33
September	3	2	8	--	10	4	441	1
October	5	4	6	--	--	--	3	--
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	138	100	16 792	100	190	100	48 965	100

Table 13.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	107	$ 24 000	4 772	$3 408 202
Regeneration and immature	-	-	2 098	133 866
Cutover & other areas	16 685	100	42 095	31 054
Real and personal property		-		-
Totals	16 792	$ 24 100	48 965	$3 573 122

FOREST FIRE STATISTICS FOR THE YUKON TERRITORY

Table 14.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	25	13	5	--	30	25	122	--
Resident	4	2	1	--	7	5	37	--
Forest Industry	2	1	--	--	2	1	1 367	2
Railroads	-	-	-	-	--	--	1	--
Other Industry	4	2	17	--	8	6	12	--
Incendiary	-	-	-	-	2	2	84	--
Miscellaneous	10	5	--	--	9	8	272	--
Total known man-caused	45	23	23	--	58	47	1 895	2
Lightning	152	77	42 983	100	57	47	80 421	94
Unknown	1	--	--	--	7	6	3 819	4
Total	198	100	43 006	100	122	100	86 135	100

Table 14.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	59	30	1	--	49	41	1	--
0.1 - 4.0	65	33	65	--	42	34	50	--
4.1 - 40.0	31	16	519	1	13	10	1 021	1
40.1 - 200	11	5	1 222	3	8	6	999	1
over 200	32	16	41 199	96	10	9	84 064	98
Totals	198	100	43 006	100	122	100	86 135	100

FOREST FIRE STATISTICS FOR THE YUKON TERRITORY

Table 14.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	3	2	1	--	2	1	11	--
May	15	8	18	--	15	13	7 048	8
June	89	45	26 275	61	36	29	14 199	16
July	78	39	16 710	39	44	36	36 879	43
August	9	4	2	--	18	15	27 656	33
September	2	1	--	--	6	5	342	--
October	2	1	--	--	1	1	--	--
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	198	100	43 006	100	122	100	86 135	100

Table 14.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	12 848	$1 218 918	19 739	$ 536 238
Regeneration and immature	1 957	325 105	11 904	1 235 727
Cutover & other areas	28 201	127 005	54 492	266 369
Real and personal property		-		1 600
Totals	43 006	$1 671 028	86 135	$2 039 934

FOREST FIRE STATISTICS FOR THE NORTHWEST TERRITORIES

Table 15.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	34	10	12	--	60	20	3 076	--
Resident	17	5	11	--	12	4	22	--
Forest Industry	-	-	-	-	--	--	1	--
Railroads	-	-	-	-	1	-	153	--
Other Industry	-	-	-	-	12	4	9 822	2
Incendiary	-	-	-	-	1	--	--	--
Miscellaneous	2	1	--	--	13	5	611	--
Total known man-caused	53	16	23	--	99	33	13 685	2
Lightning	283	84	226 817	100	195	65	670 285	96
Unknown	1	--	1	--	6	2	16 321	2
Total	337	100	226 841	100	300	100	700 291	100

Table 15.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	47	14	1	--	58	19	8	--
0.1 - 4.0	161	48	158	--	134	44	161	--
4.1 - 40.0	34	10	611	--	36	12	615	--
40.1 - 200	27	8	2 805	2	17	6	1 775	1
over 200	68	20	223 266	98	55	19	697 732	99
Totals	337	100	226 841	100	300	100	700 291	100

FOREST FIRE STATISTICS FOR THE NORTHWEST TERRITORIES

Table 15.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	-	-	-	-	3	1	7	--
May	9	3	--	--	20	7	3 828	1
June	116	34	6	--	88	29	296 773	39
July	191	57	95 943	42	121	40	294 251	42
August	12	4	130 795	58	53	18	121 873	17
September	8	2	94	--	12	4	3 557	1
October	1	--	3	--	3	1	2	--
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	337	100	226 841	100	300	100	700 291	100

Table 15.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	1 177	$ 235 485	14 343	$ 724 452
Regeneration and immature	11	10 976	81 570	2 766 886
Cutover & other areas	225 653	1 338 531	604 378	2 772 163
Real and personal property		-		14 725
Totals	226 841	$1 584 992	700 291	$6 278 226

FOREST FIRE STATISTICS FOR THE NATIONAL PARKS

Table 16.1 Fire Distribution by Cause

Cause class	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	15	18	4	-	15	15	6	-
Resident	2	2	65	8	2	2	2 107	2
Forest Industry	1	1	--	--	-	-	-	-
Railroads	6	8	3	--	4	5	5	--
Other Industry	-	-	-	-	1	1	1	--
Incendiary	2	2	1	--	5	5	42	--
Miscellaneous	7	8	31	4	9	9	54	--
Total known man-caused	33	39	104	12	36	37	2 215	2
Lightning	41	49	701	83	52	54	102 617	98
Unknown	10	12	43	5	9	9	88	--
Total	84	100	848	100	97	100	104 920	100

Table 16.2 Fire Distribution by Size Class

Size class (hectares)	1983				Annual average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	40	48	3	--	39	40	3	--
0.1 - 4.0	34	40	22	2	42	44	43	--
4.1 - 40.0	8	10	125	15	6	6	83	--
40.1 - 200	1	1	65	8	3	3	328	--
over 200	1	1	633	75	7	7	104 463	100
Totals	84	100	848	100	97	100	104 920	100

FOREST FIRE STATISTICS FOR THE NATIONAL PARKS

Table 16.3 Fire Distribution by Month

Month	1983				Annual Average 1973-1982			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	1	1	1	--	-	-	-	-
March	-	-	-	-	-	-	-	-
April	7	8	43	5	4	4	136	--
May	7	8	17	2	15	16	2 209	2
June	28	33	76	9	30	31	20 471	20
July	16	19	6	1	22	23	14 126	13
August	19	23	640	75	20	20	67 976	65
September	6	8	65	8	3	3	1	--
October	-	-	-	-	2	2	1	--
November	-	-	-	-	1	1	--	--
December	-	-	-	-	-	-	-	-
Totals	84	100	848	100	97	100	104 920	100

Table 16.4 Fire Losses

	1983		Annual average 1973-1982	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	..	$ ..	..	$ ..
Regeneration and immature	..	..	..	..
Cutover & other areas	..	..	..	..
Real and personal property		..		..
Totals	848	$ ..	104 920	$ ..

Appendix/Annexe 1

Agency priority zone tables/Tableaux des zones de priorité des organismes

(a) Intensive Protection Zone - Priority Zone 1/
Zone de protection intensive - Zone de priorité 1
(b) Limited Protection Zone - Priority Zone 2/
Zone de protection limitée - Zone de priorité 2

1981

Ontario
Manitoba
Saskatchewan

1982

Ontario
Saskatchewan

1983

Saskatchewan

FOREST FIRE STATISTICS FOR ONTARIO

Fire Distribution by Cause
1981

Cause class	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	487	31	20 337	40	6	8	62	--
Resident	147	9	441	1	3	4	23	--
Forest Industry	36	2	5 865	11	-	-	-	-
Railroads	153	10	983	2	-	-	-	-
Other Industry	38	2	402	1	-	-	-	-
Incendiary	58	4	104	--	1	1	1	--
Miscellaneous	209	13	3 484	6	-	-	-	-
Total known man-caused	1 128	71	31 616	61	10	13	86	--
Lightning	424	27	19 987	39	61	84	115 447	90
Unknown	31	2	95	--	2	3	12 242	10
Total	1 583	100	51 698	100	73	100	127 775	100

Fire Distribution by Size Class
1981

Size class (hectares)	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	840	53	48	--	8	11	1	--
0.1 - 4.0	626	40	498	1	16	22	13	--
4.1 - 40.0	84	5	1 142	2	4	5	40	--
40.1 - 200	17	1	1 640	3	10	14	1 063	1
over 200	16	1	48 370	94	35	48	126 658	99
Totals	1 583	100	51 698	100	73	100	127 775	100

FOREST FIRE STATISTICS FOR ONTARIO

Fire Distribution by Month
1981

Month	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	27	2	101	--	-	-	-	-
April	141	8	399	1	-	-	-	-
May	309	20	15 973	31	3	4	3 447	3
June	55	3	30	--	2	3	506	--
July	490	31	27 844	54	56	77	123 407	97
August	424	27	4 850	9	11	15	415	--
September	105	7	32	--	1	1	--	--
October	16	1	1	--	-	-	-	-
November	14	1	2 467	5	-	-	-	-
December	2	--	1	--	-	-	-	-
Totals	1 583	100	51 698	100	73	100	127 775	100

Fire Losses
1981

	PRIORITY ZONE 1		PRIORITY ZONE 2	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	10 645	$ 3 562 987	17 955	$ 4 358 918
Regeneration and immature	12 217	1 188 607	-	-
Cutover & other areas	28 836	-	109 820	-
Real and personal property		60 906		-
Totals	51 698	$ 4 812 500	127 775	$ 4 358 918

FOREST FIRE STATISTICS FOR MANITOBA

Fire Distribution by Cause
1981

Cause class	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	98	15	208	--	-	-	-	-
Resident	115	17	5 618	1	-	-	-	-
Forest Industry	4	1	162	--	-	-	-	-
Railroads	12	2	5 265	1	-	-	-	-
Other Industry	43	6	3 721	1	-	-	-	-
Incendiary	125	19	2 837	1	-	-	-	-
Miscellaneous	33	5	1 906	1	1	2	1	--
Total known man-caused	430	65	19 717	5	1	2	1	--
Lightning	232	35	356 503	95	49	98	20 233	100
Unknown	-	-	-	-	-	-	-	-
Total	662	100	929 639	100	50	100	20 234	100

Fire Distribution by Size Class
1981

Size class (hectares)	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	90	14	9	--	-	-	-	-
0.1 - 4.0	374	56	365	--	-	-	-	-
4.1 - 40.0	126	19	4 561	1	1	2	1	--
40.1 - 200	72	11	371 285	99	49	98	20 233	100
over 200	-	-	-	-	-	-	-	-
Totals	662	100	376 220	100	50	100	20 234	100

FOREST FIRE STATISTICS FOR MANITOBA

Fire Distribution by Month
1981

Month	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	1	--	--	--	-	-	-	-
February	1	--	975	--	-	-	-	-
March	2	--	4 174	1	-	-	-	-
April	42	6	12 490	3	-	-	-	-
May	174	26	163 102	44	-	-	-	-
June	79	12	158 383	42	-	-	-	-
July	184	28	36 749	10	1	2	1	--
August	130	20	58	--	49	98	20 233	100
September	45	7	40	--	-	-	-	-
October	1	--	249	--	-	-	-	-
November	3	1	--	--	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	662	100	376 220	100	50	100	20 234	100

Fire Losses
1981

	PRIORITY ZONE 1		PRIORITY ZONE 2	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	98 746	$48 879 765	-	$ -
Regeneration and immature	121 590	10 335 150	-	-
Cutover & other areas	155 884	561 186	20 234	1 000 000
Real and personal property		10 000		3 000
Totals	376 220	$59 786 101	20 234	$ 1 003 000

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Fire Distribution by Cause
1981

Cause class	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	93	13	9 737	5	27	10	1 778	--
Resident	122	17	3 743	2	6	2	442	--
Forest Industry	16	2	79	--	-	-	-	-
Railroads	4	1	5	--	-	-	-	-
Other Industry	14	2	136	--	2	1	34	--
Incendiary	68	10	38 709	18	-	-	-	-
Miscellaneous	30	4	15	--	1	--	--	--
Total known man-caused	347	49	52 424	25	36	13	2 254	--
Lightning	340	49	161 587	75	227	86	1 431 521	100
Unknown	13	2	183	--	2	1	2	--
Total	700	100	214 194	100	265	100	1 433 777	100

Fire Distribution by Size Class
1981

Size class (hectares)	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	200	29	18	--	24	9	2	--
0.1 - 4.0	376	54	385	--	90	34	94	--
4.1 - 40.0	67	9	980	--	29	11	403	--
40.1 - 200	20	3	1 927	1	19	7	2 166	--
over 200	37	5	210 884	99	103	39	1 431 112	100
Totals	700	100	214 194	100	265	100	1 433 777	100

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Fire Distribution by Month
1981

Month	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	11	2	42	--	-	-	-	-
February	5	1	41	--	-	-	-	-
March	6	1	220	--	-	-	-	-
April	11	2	13	--	3	1	1	--
May	215	31	37 637	18	25	10	107 146	7
June	86	12	52 330	24	40	15	127 384	9
July	89	12	57 657	27	46	17	494 866	35
August	212	30	61 772	29	139	53	621 334	43
September	57	8	4 454	2	9	3	2 107	--
October	6	1	27	--	3	1	80 939	6
November	2	--	1	--	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	700	100	214 194	100	265	100	1 433 777	100

Fire Losses
1981

	PRIORITY ZONE 1		PRIORITY ZONE 2	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	..	..	..	$ ..
Regeneration and immature	..	..	..	..
Cutover & other areas	..	..	..	..
Real and personal property		..		..
Totals	214 194	$538 531 384	1 433 777	$109 108 029

FOREST FIRE STATISTICS FOR ONTARIO

Fire Distribution by Cause
1982

Cause class	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	517	37	675	9	-	-	-	-
Resident	222	16	2 175	30	2	18	9	1
Forest Industry	11	1	29	--	-	-	-	-
Railroads	160	12	1 387	20	-	-	-	-
Other Industry	22	2	78	1	-	-	-	-
Incendiary	39	3	102	2	-	-	-	-
Miscellaneous	156	11	996	14	-	-	-	-
Total known man-caused	1 127	82	5 442	76	2	18	9	1
Lightning	228	16	1 528	21	9	82	2 456	99
Unknown	30	2	182	3	-	-	-	-
Total	1 385	100	7 152	100	11	100	2 465	100

Fire Distribution by Size Class
1982

Size class (hectares)	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	717	52	104	2	2	18	--	--
0.1 - 4.0	587	42	1 361	19	4	36	20	1
4.1 - 40.0	70	5	2 447	34	4	36	145	6
40.1 - 200	9	1	1 995	28	-	-	-	-
over 200	2	--	1 245	17	1	10	2 300	93
Totals	1 385	100	7 152	100	11	100	2 465	100

FOREST FIRE STATISTICS FOR ONTARIO

Fire Distribution by Month
1982

Month	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	252	18	3 256	46	-	-	-	-
May	275	20	1 505	21	3	27	10	1
June	134	10	401	6	-	-	-	-
July	346	25	1 600	22	8	73	2 455	99
August	341	25	354	5	-	-	-	-
September	26	2	7	--	-	-	-	-
October	11	--	29	--	-	-	-	-
November	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	1 385	100	7 152	100	11	100	2 465	100

Fire Losses
1982

	PRIORITY ZONE 1		PRIORITY ZONE 2	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	223	$ 30 159	5	$ 653
Regeneration and immature	507	14 815	-	-
Cutover & other areas	6 422	-	2 460	-
Real and personal property		71 068		-
Totals	7 152	$ 116 042	2 465	$ 653

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Fire Distribution by Cause
1982

Cause class	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	100	21	130	2	22	20	1 627	3
Resident	105	22	2 792	46	7	6	2	--
Forest Industry	12	2	4	--	1	1	7 000	12
Railroads	1	--	-	-	-	-	-	-
Other Industry	7	1	9	--	-	-	-	-
Incendiary	56	12	135	2	2	2	2	--
Miscellaneous	19	4	24	1	5	5	1	--
Total known man-caused	300	62	3 094	51	37	34	8 632	15
Lightning	171	35	2 661	44	71	65	43 495	74
Unknown	16	3	304	5	1	1	6 400	11
Total	487	100	6 059	100	109	100	58 527	100

Fire Distribution by Size Class
1982

Size class (hectares)	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	229	47	15	--	22	20	2	--
0.1 - 4.0	200	41	219	4	45	41	48	--
4.1 - 40.0	37	8	530	9	11	10	185	--
40.1 - 200	14	3	1 113	18	11	10	729	1
over 200	7	1	4 182	69	20	19	57 563	99
Totals	487	100	6 059	100	109	100	58 527	100

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Fire Distribution by Month
1982

Month	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	1	--	2	--	-	-	-	-
April	34	7	1 314	22	1	1	--	--
May	102	21	1 757	29	6	5	3	--
June	154	32	1 964	33	28	26	24 083	41
July	128	26	980	16	59	54	34 437	59
August	17	4	2	--	8	7	1	--
September	31	6	26	--	5	5	3	--
October	18	4	14	--	2	2	-	-
November	2	--	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	487	100	6 059	100	109	100	58 527	100

Fire Losses
1982

	PRIORITY ZONE 1		PRIORITY ZONE 2	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber Regeneration and immature Cutover & other areas Real and personal property				
Totals	6 059	..	58 527	..

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Fire Distribution by Cause
1983

Cause class	1983				Annual Average ..			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
Recreation	64	20	28	--	18	15	87	--
Resident	61	19	2 085	18	6	5	3	--
Forest Industry	7	2	3	--	-	-	-	-
Railroads	3	1	6	--	-	-	-	-
Other Industry	7	2	1	--	1	1	4	--
Incendiary	42	13	8 957	77	3	3	14	--
Miscellaneous	11	3	15	--	1	1	500	-
Total known man-caused	195	60	11 095	95	29	25	608	-
Lightning	110	35	435	4	89	74	39 945	99
Unknown	13	5	88	1	1	1	--	--
Total	318	100	11 618	100	119	100	40 553	100

Fire Distribution by Size Class
1983

Size class (hectares)	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
0 - 0.09	115	37	18	--	14	12	1	--
0.1 - 4.0	165	52	110	1	58	49	123	--
4.1 - 40.0	26	8	282	3	24	20	401	1
40.1 - 200	5	1	372	3	5	4	495	1
over 200	7	2	10 836	93	18	15	39 533	98
Totals	318	100	11 618	100	119	100	40 553	100

FOREST FIRE STATISTICS FOR SASKATCHEWAN

Fire Distribution by Month
1983

Month	PRIORITY ZONE 1				PRIORITY ZONE 2			
	Number of fires	%	Area burned in hectares	%	Number of fires	%	Area burned in hectares	%
January	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-
April	12	4	8	--	1	1	40	--
May	68	21	4 155	36	4	3	53	--
June	72	23	6 439	55	25	21	4 713	12
July	29	9	288	3	30	25	10 507	26
August	105	33	698	6	54	45	25 218	62
September	26	8	25	--	5	5	22	--
October	5	2	4	--	-	-	-	-
November	1	--	1	--	-	-	-	-
December	-	-	-	-	-	-	-	-
Totals	318	100	11 618	100	119	100	40 553	100

Fire Losses

	PRIORITY ZONE 1		PRIORITY ZONE 2	
	Area burned in hectares	Value lost	Area burned in hectares	Value lost
Merchantable Timber	1 817	$16 237 058	29	$ 170 352
Regeneration and immature	5 314	13 480 870	2 318	5 694 747
Cutover & other areas	4 487	..	38 206	..
Real and personal property		..		..
Totals	11 618	$29 717 928	40 553	$5 865 099

Appendix/Annexe 2

(a) CIFFC Forest Fire Statistics for Canada/
Statistiques du CIFFC sur les incendies
de forêt au Canada
- 1984 Estimates/Estimations pour 1984

(b) CIFFC Forest Fire Statistics for Canada/
Statistiques du CIFFC sur les incendies
de forêt au Canada
- 1985 Estimates/Estimations pour 1985

Canadian Interagency Forest Fire Centre

1984 and 1985

Estimates (Nov. 4, 1985)

	FIRES		AREA BURNED (HA)	
	1985	1984	1985	1984
Newfoundland	250	101	68 654	7568
P.E.I.	29	33	67	196
Nova Scotia	571	430	1032	582
New Brunswick	833	388	2638	431
Quebec	852	656	2572	3013
Ontario	875	1225	895	120 916
Manitoba	338	692	6304	130 011
Saskatchewan	515	896	108 243	341 717
Alberta	933	1370	11 937	94 755
British Columbia	3615	3059	242 665	20 218
N.W.T.	150	304	204 745	41 019
Yukon	110	168	15 130	19 895
Parks Canada	127	93	5646	3364
Total	9198	9415	670 528	783 685

Appendix/Annexe 3

(a) Yearly Forest Fire Losses 1985-1946/
Pertes annuelles dues aux incendies de forêt - 1985 à 1946
(b) Yearly Forest Fire Losses 1945-1918/
Pertes annuelles dues aux incendies de forêt - 1945 à 1918

Appendix 3

Yearly Forest Fire Losses 1983-1946

Year	Total number of fires	Total area burned (hectares)	Year	Total number of fires	Total area burned (hectares)
1985*	9 198	670 528	1965	7 238	210 908
1984*	9 415	783 685	1964	6 944	1 211 384
1983	8 930	1 194 175	1963	7 670	190 209
1982	8 941	1 697 591	1962	6 285	349 493
1981	10 145	5 413 365	1961	8 655	3 769 165
1980	8 973	4 822 167	1960	7 346	644 873
1979	9 793	2 700 785	1959	4 874	279 591
1978	7 928	289 417	1958	6 814	1 995 671
1977	8 888	1 483 194	1957	5 728	365 574
1976	10 161	1 813 825	1956	4 639	853 450
1975	10 995	1 032 034	1955	6 348	651 395
1974	8 035	848 674	1954	3 064	564 917
1973	7 503	1 184 283	1953	6 551	1 452 007
1972	8 153	780 037	1952	4 946	462 978
1971	9 125	1 695 013	1951	4 658	626 465
1970	9 253	1 058 843	1950	5 436	1 201 863
1969	6 633	943 496	1949	7 082	1 104 287
1968	7 301	895 036	1948	5 448	1 337 882
1967	8 650	895 178	1947	5 065	265 936
1966	7 468	463 154	1946**	5 977	1 007 886

* Estimates provided by CIFFC.
**Exclusive of Newfoundland.

Yearly Forest Fire Losses 1945-1918
(Exclusive of the Yukon and Northwest Territories and Newfoundland)

Year	Total number of fires	Total area burned (hectares)	Year	Total number of fires	Total area burned (hectares)
1945	4 761	300 098	1931	6 965	847 410
1944	5 820	972 519	1930	6 805	1 080 625
1943	3 370	335 023	1929	6 712	2 439 754
1942	4 791	744 029	1928	4 243	544 737
1941	5 951	1 721 048	1927	3 605	190 969
1940	6 284	1 089 102	1926	5 690	738 179
1939	5 613	451 313	1925	5 490	744 419
1938	6 647	1 264 998	1924	5 624	803 243
1937	5 949	1 728 648	1923	6 189	2 507 852
1936	5 946	1 224 965	1922	8 199	1 344 980
1935	4 955	346 497	1921	6 073	867 048
1934	5 911	596 980	1920	5 258	691 376
1933	6 298	408 163	1919	5 223	3 071 539
1932	6 298	997 150	1918	4 143	227 746

INSTITUT FORESTIER NATIONAL DE PETAWAWA

Le mandat de l'Institut forestier national de Petawawa, comme celui des autres établissements du Service canadien des forêts, est de promouvoir une meilleure gestion et une utilisation plus rationnelle des ressources forestières du Canada, pour le bien économique et social de tous les Canadiens. Les objectifs des activités des programmes menés à l'institut appuient ce mandat à travers la découverte, le développement, la démonstration, l'application et le transfert des innovations. En tant qu'institut national, il doit s'attacher à des problèmes qui débordent le cadre régional ou qui nécessitent des compétences particulières de même qu'un équipement non disponible aux installations régionales du Service canadien des forêts. La plupart du temps, ses recherches sont effectuées en étroite collaboration avec le personnel des centres régionaux ou des services forestiers des provinces. Les projets de recherche et les services techniques de l'institut sont regroupés sous six principales activités:

GÉNÉTIQUE FORESTIÈRE ET BIOTECHNOLOGIE - Ce programme encadre des projets sur la génétique forestière, la microbiologie, la micropropagation, la génétique moléculaire et la recherche sur les semences. Il comprend également les services à la clientèle et la banque de semences du Centre national de semences forestières. Ce centre existe depuis longtemps et est lié à plusieurs organismes internationaux.

SYSTÈMES D'AMÉNAGEMENT FORESTIER - Ce programme intègre en recherche et développement, des projets sur les incendies de forêt, la télédétection, la météorologie, la modélisation, la croissance et la récolte, et le RIMA. Il permet ainsi l'élaboration et la démonstration de systèmes d'aménagement forestier.

STATISTIQUES NATIONALES SUR LA RESSOURCE FORESTIÈRE - Communément appelé FORSTATS, ce programme assure la coordination de l'acquisition, de la normalisation et de la publication de statistiques nationales sur les forêts du Canada. Il est aussi chargé de répondre aux demandes de renseignements de la clientèle.

SYSTÈMES DE DONNÉES FORESTIÈRES - Ce programme fournit la compétence et les systèmes informatisés nécessaires à la gestion des données acquises dans le cadre de FORSTATS et des projets de recherche à l'IFNP. Il comprend en outre un service de consultation en informatique pour les hauts fonctionnaires du SCF.

COMMUNICATIONS - Ce programme regroupe les activités de la bibliothèque et des projets touchant la sensibilisation du public, l'information, la rédaction-révision et les publications. L'institut reçoit plus de 20 000 visiteurs chaque année. Le Centre d'accueil, des visites autoguidées et un programme éducatif complet sont ouverts à tous. C'est à l'IFNP que l'on trouve l'entrepôt national de toutes les publications scientifiques du SCF.

LA FORÊT EXPÉRIMENTALE - Outre des peuplements naturels où l'on applique divers traitements dans le cadre de projets de recherche en sylviculture, la Forêt de Petawawa, mesurant 98 km^2, comprend de vastes superficies de plantations âgées de plus de 60 ans. Ces plantations expérimentales permettent d'obtenir des données sur la croissance et la récolte à la suite d'expériences de culture. Elles fournissent du matériel génétique dont le lignage est répertorié, et se révèlent de plus en plus utiles pour les études sur la micropropagation et la génétique moléculaire. La forêt permet également de mettre à l'essai des stratégies d'aménagement forestier à court et à long terme.